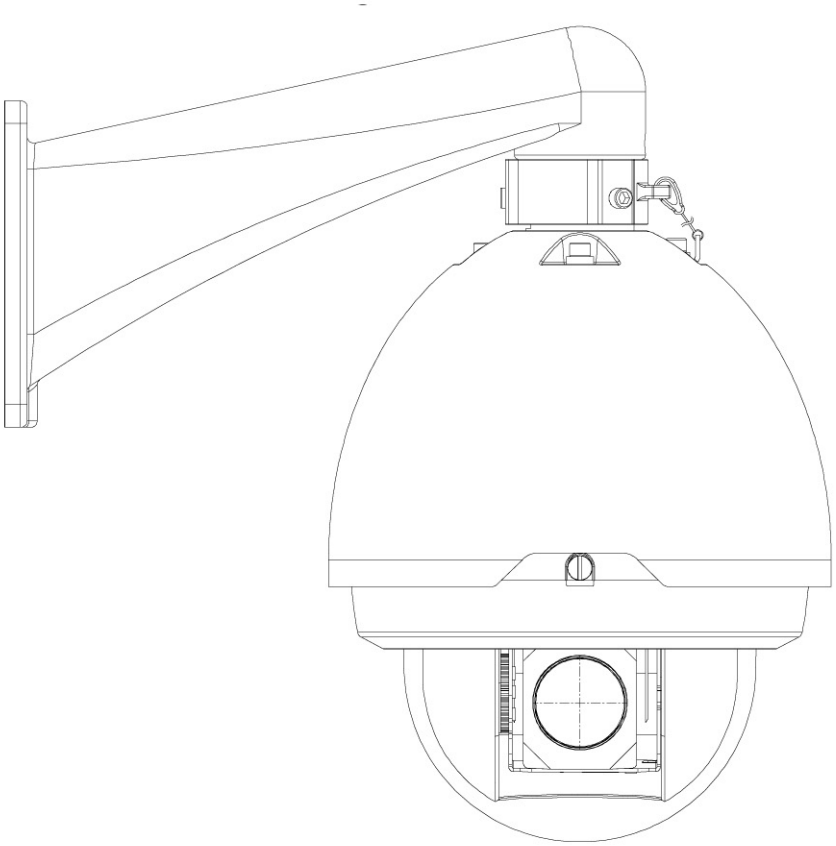
• **Outdoor IP SpeedDome 18x 1,3MP**
4 306 52



USER MANUAL

LE04767AA

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1 Accessories

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IP Dome	1
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Quick Start Guide	1
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2 General Introduction

2.1 Overview

This device integrates traditional camera and network video technology. It adopts audio video data collection, transmission and storage. It can connect to the network directly without any auxiliary device.

This device uses standard H.264 video compression technology which maximally guarantees the video quality.

It can be used alone or used in a network area.
It can be connected to the network and used from a network client-end.

2.2 Features and functions

General Introduction

The 1,3 megapixel high speed smart network dome camera integrates the functions of network-based remote surveillance and integrated high-speed smart dome, which makes it convenient to install and easy to use. This product enjoys a megapixel resolution, which meets the customers' needs for surveillance at HD level. This product is also qualified with intelligent identification ability, privacy masking settings, alarm activation, WDR and some other functions. In addition, one can transmit audio/video and control data via internet in a safe way. Thus, the surveillance is free from the restriction caused by the changes of time and places to realize a real-time surveillance. With the built-in high-speed PTZ, this product can realize a fast, accurate fixed-positioning surveillance in a convenient way.

User Management	Different user rights for each group, one user belongs to one group. The user right shall not exceed the group right.
Data Transmission	Support cable network data transmission via Ethernet.
Storage Function	Support central server backup function in accordance with configuration and setup in alarm or schedule setting. Support record via Web and the recorded file are stored in the client-end PC.
Alarm Function	Real-time respond to local alarm input and video detection as user pre-defined activation setup and exert audio prompt(allow user to pre-record audio file). Realize real-time video detect such as motion detect, camera masking and video loss.
Network Monitor	Supports one-channel audio/video data transmission to network terminal. Max supports 10 connections. Adopts the following audio and video transmission protocol: HTTP, TCP, UDP, RTP/RTCP and etc. Support web access.
Network Management	Configuration and management via Ethernet. Support device management via web. Support various network protocols.
Power	External power adapter. Support AC 24V.
Assistant Function	Day/Night mode auto switch. Support system resource information and running status real-time display. Support log function. Support video watermark function.

This series speed dome has the following features:

- On-Screen Menu
This series product menu supports multiple languages. It is easy for you to view dome information and configure dome, camera parameters.

- Support multiple protocols
Use various devices (such as matrix, control keyboard and DVR) and protocols to operate speed dome.

- Proportional Pan and Tilt
This function keeps the image from moving too fast when there is a large amount of zoom. The quick-installed high definition speed dome continually decreases or increases pan and tilt speeds in proportion to depth of zoom.
When zooms speed is increasing, the camera moving speed becomes slow.
When zooms speed is decreasing, the camera moving speed becomes fast.

- On-screen Tips
Here you can view:
Dome title and system version (Software and hardware)
Dome system temperature. (Optional. You can disable this function)
Dome pan/tilt coordinates, preset ID.

- Preset Setup and Call
Preset function is to save the address information (such as PTZ pan/tilt, focus and etc) to the memory so that you can quickly adjust the dome and PTZ to the correct position.
This series quick-installed high definition speed dome supports 255 presets.

- Auto Scan
Camera scans back and forth regularly in a horizontal field.
Here you need to set left and right limit and scan speed. You can set 5 scanning paths.

- Auto Touring
Add addresses into a routine in a desired order and then set time and stop duration for each address.
The dome will begin an auto touring between these addresses. You can set 8 touring paths.
Each touring path can contain max 32 presets.

- Auto Pattern
Memorize dome operation such as pan, tilt, and zoom to repeat. Focus and iris are in auto mode during auto pattern. For each pattern, the time should be less than 60 seconds.

- Privacy Masking
Privacy masking is a user-defined, four-sided area that can not be viewed by you. The masking area will move with pan and tilt functions and automatically adjust in size as the lens zooms.

- Action on Alarm
This series quick-installed high definition speed dome has 2 alarm inputs (normal open or normal close) and 1 alarm outputs (normal open). Alarms can be individually programmed to initiated pattern, or go to an associated preset, scanning, touring when received. Dome will return to a previously programmed state after alarm acknowledgement or to its previous position before alarm.

- Auto Flip
As long as you continue to hold the keyboard joystick in the down position, the dome rotates 180 degrees and repositions itself for uninterrupted viewing of any subjects that passes directly beneath the dome.

- Self-diagnosis
There is a self diagnosis procedure when dome boots up.
. Tilt and vertical engine check
. Camera diagnostics
. Display dome information and diagnosis information such as address, protocol, baud rate, type.

- Day/Night Mode (B/W & Color Mode)
Auto/manual switches in low illumination.
. Auto: camera will automatically adjust CCD light level.
. Manual: use menu or function keys to select day/night mode.
This function needs the speed dome driver (camera) supported.

- Auto Focus
Auto focus allows the lens to remain in focus during zoom-in, zoom-out and motion functions to get vivid image. You can use FAR or NEAR button to adjust focus manually.

- Backlight Compensation
Balance the brightest and darkest sections of a scene to produce a more vivid picture.

- Pan Tilt and Zoom
Supports zoom in and zoom out during tilt and pan movement.
In this period focus and iris are both in auto mode to get vivid image.

- Idle Status
When there is no available order, you can use menu to set dome idle status after specified duration. The idle status includes turn to specified preset or go to scan, tour or pattern function.

- Image Stabilizer/Flip
Enable image stabilizer function and flip in the menu.
When there is vibration, this IS function can guarantee video stability and when flip, you can view video more clearly.
This function needs speed dome driver (camera) supported.

2.3 Specifications

2.3.1 Performance Specifications

The 1,3 megapixel high speed smart network dome camera integrates the functions of network-based remote surveillance and integrated high-speed smart dome, which makes it convenient to install and easy to use. This product enjoys a megapixel resolution, which meets the customers' needs for surveillance at HD level. This product is also qualified with intelligent identification ability, privacy masking setting.

Built-in Decode	All digital design. All data are in the connection board. No data loss when power off occurs. - Integrated design, high stability. - Quick-installed high definition speed dome max support 255 presets. Support 8 auto touring. Each touring max has 32 presets. - Low and medium speed dome max support 80 presets. - 5 auto scan. - 5 auto pattern. Each pattern can max support 400 commands and the interval shall be less than 60s. - Built-in direction indicator. Support max 24 privacy mask zones (Depends on the camera type). - 7 alarm inputs and 2 alarm outputs.
Built-in PTZ	- Fine stepper driver, stable performance, react quickly, precisely positioning. - Integrated design, tight structure. - Elegant mechanical driver device. Support 360 degrees continuous rotation, no monitor blind spot. - 0.1°/s rotation speed while maintain stable image. - 180 degrees tilt continuous monitor.
Built-in zoom lens, high sensitive, high resolution integrated digital process color camera.	- Auto focus - Auto BLC - Auto brightness control - Auto white balance - Auto day/night switch (Auto B/W & color switch)(Depends on the camera type)
OSD	- Preset title display - View dome initial setup information - Modify camera parameter - Set preset - Set auto scan - Set 7-channel alarm inputs and 2-channel alarm outputs. - Set auto patter - Set auto day/night switch (Auto B/W & color switch)(Depends on the camera type) - Set privacy mask zones

2.3.2 Technical Specifications

Power	AC 24V/3A (±10%) (Includes temperature control circuit)
Camera Driver Consumption	15W
Decoder	Built-in
Engine	Stepper motor
Preset	255 (In PELCOD, PELCOP protocol). 80 (In industrial protocol) Please note the value may vary due to different protocols.
Auto Tour	8
Auto Pattern	5
Auto Scan	5
Privacy Mask	8 zones in one-window. The different series products support different amount. It depends on the camera type.
Alarm Input/Output	7/2
Information	Time, address, dome title, dome coordinates, temperature, alarm and etc.
Lens	Adjust speed in accordance with lens
Auto Rotation	Tilt 92º auto rotates to pan 180 º
Auto Pan	0 º -360º continuously
Manual Pan Motion Speed	0.1º—200º/S
Preset Maximum Speed	300º
Manual Tilt Motion	0.1º—120º/S
Manual Tilt Scan Section	0º—180º
PTZ Scan Accuracy	0.06 ± 0.015º
Signal Format	PAL
S/N Ratio	> 50dB
Humidity	< 90%
Environment	-40°C—55°C (outdoor)

2.3.3 Factory Default Setup

Function configuration type		Item Name		Default setup
General Setup		Date format		D-M-Y
		DST		Disable by default
		Date separator		'/'
		Time format		24H
		Language		English
		When HDD is full		Overwrite
		Record duration		60 min
		Device No.		8
		Video type		PAL
Encode Setup	Main stream	Channel		Channel01
		Encode mode Audio/Video		H.264 Enable audio and video
		Main stream		Main stream
		Resolution		720p
		Frame rate		25
		Bit stream control		CBR
		Bit rate		6144
		I frame interval control		50
	Extra stream	Extra stream		Main bit stream
		Audio/Video		Enable video disable audio
		Resolution		CIF
		Frame rate		15
		Bit stream control		VBR
		Quality		High
		Bit rate		512
		I frame interval control		50
		Image color		Disable
		Watermark		Enable Stream type: all Type: character Character: DigitalCCTV
		Cover area		Never
		Time title		Enable.
		Channel title		Enable.
Schedule		Channel		Ch01
		Pre-record		5 seconds
		Time Setup	Start time	0:00:00
			End-time	23:59:59
			Record	Period 1 : Enable motion detection/ alarm
			Snapshot	Period 1 : Enable motion detection/ alarm
			Week	Sunday

Function configuration type	Item Name	Default setup
RS232	RS232 com	COM01
	Function	Console
	Data bit	8
	Stop bit	1
	Baud rate	115200
	Parity	None
Network setup	Ethernet	Port 01
	DHCP	Disable
	IP address	192.168.1.108
	Subnet mask	255.255.0.0
	Gateway	192.168.0.1
	Device name	Device factory default name
	TCP port	37777
	HTTP port	80
	UDP port	37778
	Network user connection amount	10
	Network transmission QoS	Disable
	Remote host	Multiple broadcast group
	IP address	239.255.42.42
	Port	36666
	Email setup	Disable
	Multiple DDNs	Disable
	NAS setup	Disable
	NTP setup	Disable
	IP Filter	Disable
Alarm setup	Event type	Local alarm
	Alarm input	Input 01, disable
	Type	Normal open
	Setup	Period: Start time 0:00:00 End time: 23:59:59 Period 1:enable Week: Sunday
	Anti-dither	0 second
	Alarm out	Disable
	Alarm latch	10 seconds
	Record channel	1, enable
	Record latch	10 seconds
	Send email	Enable
	PTZ activation	Disable Event type: never Address: 0
	Capture	Disable

Function configuration type	Item Name		Default setup
Detection	Event type		Motion detection
	Channel		Ch01, Disable
	Sensitivity		3
	Time period setup		Period: Start time 0:00:00 End time:23:59:59 Period 1:enable Week: Sunday
	Anti-dither		5 seconds
	Alarm out		Disable
	Alarm latch		10 seconds
	Record channel		Disable
	Record latch		10 seconds
	Send email		Disable
	PTZ activation		Event type: Never Address: 0 Disable
	Capture		Disable
PTZ Setup	Channel		Ch01
	Protocol		DH-SD1
	Address		1
	Baud rate		38400
	Data bit		8
	Stop bit		1
	Parity		None
Default and Backup	All		Disable
	General		Disable
	Encode		Disable
	Schedule		Disable
	RS232		Disable
	Network		Disable
	Alarm		Disable
	Video detection		Disable
	Maintain		Disable
	Channel Name		Disable
	Camera		Disable
Advanced	Record control		Auto. Ch1 (This series device does not support this function.)
	Abnormity	Even Type	No disk, Disable
		Alarm Output	Disable
		Alarm Latch	10 seconds
		Send email	Disable
	User account		admin/admin (reusable) 888888/888888(reusable) 666666/666666(reusable) default
	Snapshot	Channel	Ch01

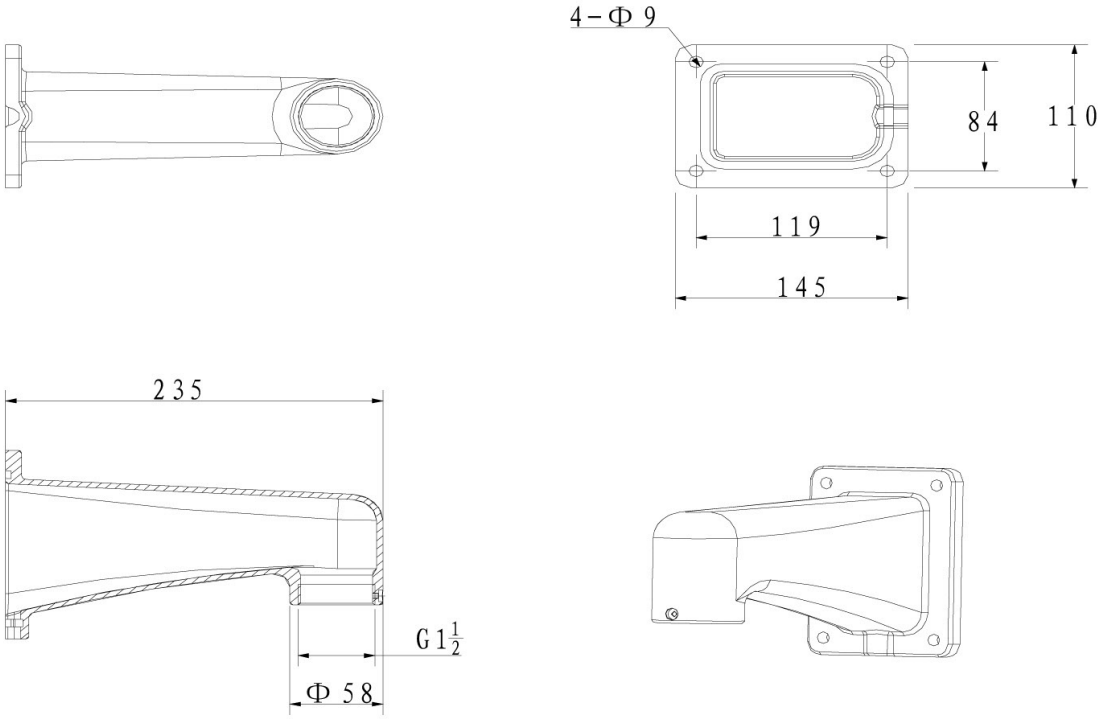
Function configuration type	Item Name		Default setup
Advanced	Snapshot	Snapshot mode	Snapshot-timing
		Frame rate	1 S/F
		Resolution	720p
		Quality	60%
	Auto maintain	Auto reboot	2.00 each day
		Auto delete old files	Never
Camera config	Channel		1
	Exposure Mode		Auto
	Day/Night Mode		Disable
	Backlight Compensation		Disable
	Auto Aperture		N/A
	White Balance		N/A
	Signal Type		Inside
	Mirror		Disable
	Rotate		Disable
Auto Registration	N°		1
	IP		0.0.0.0
	Port		7000
DNS Setup	DNS		202.101.172.35
	Alternative DNS		202.101.172.35

3 Framework

3.1 Dimensions

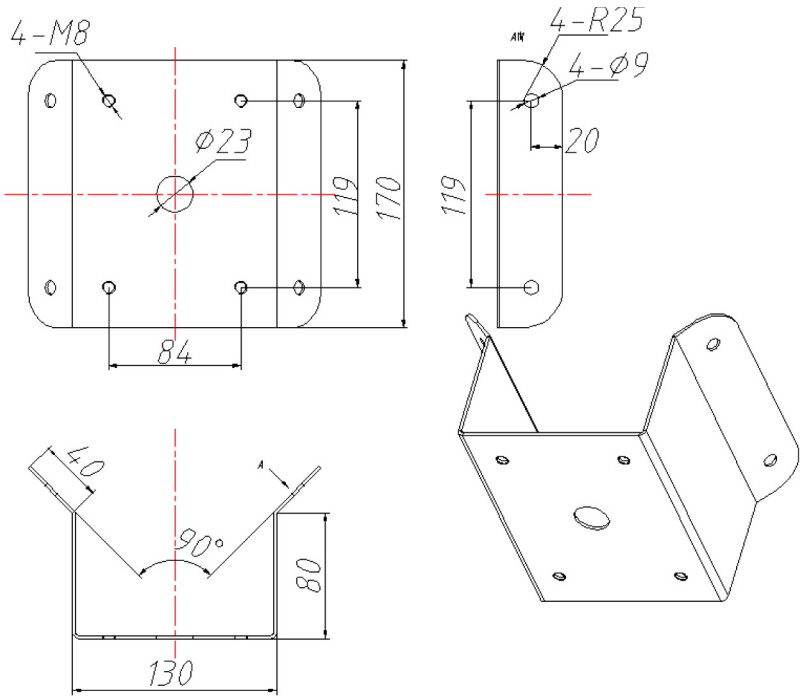
3.1.1 Wall mount bracket

The wall mount bracket dimensions are shown as below.



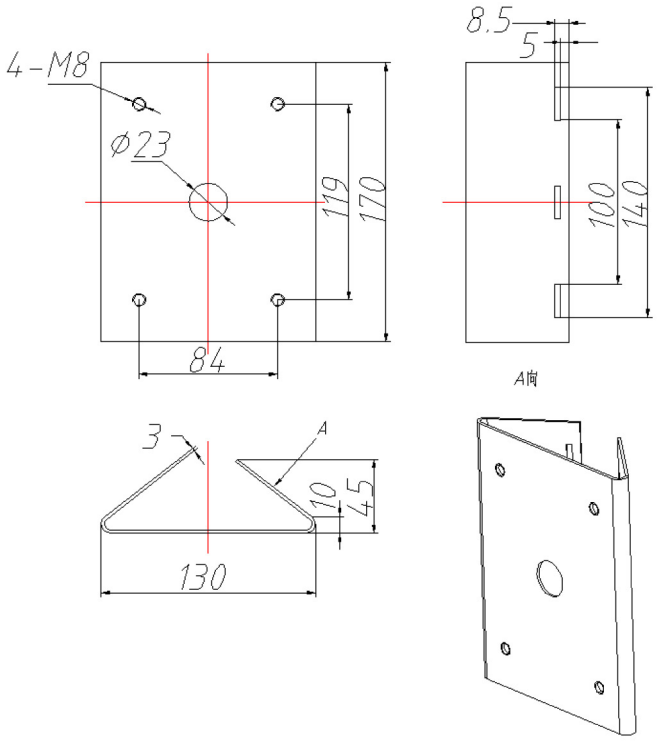
3.1.2 Corner mount bracket

The corner mount bracket is shown as below.



3.1.3 Pole mount bracket

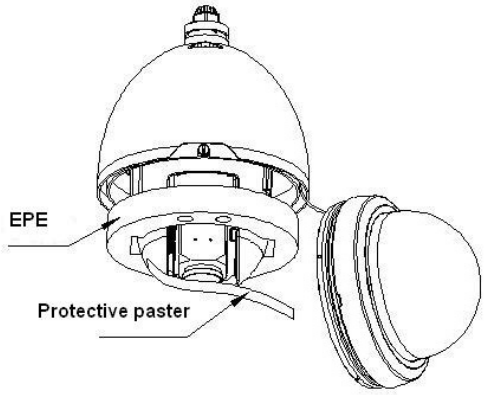
The pole mount bracket is shown as below.



4 Installation

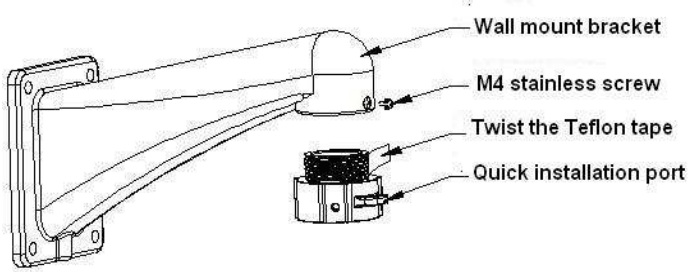
4.1 Install the speed dome

Open the transparent cover and take out the packing material around the speed dome driver. Please remove the protective paster from the driver and take off the camera lens cap.



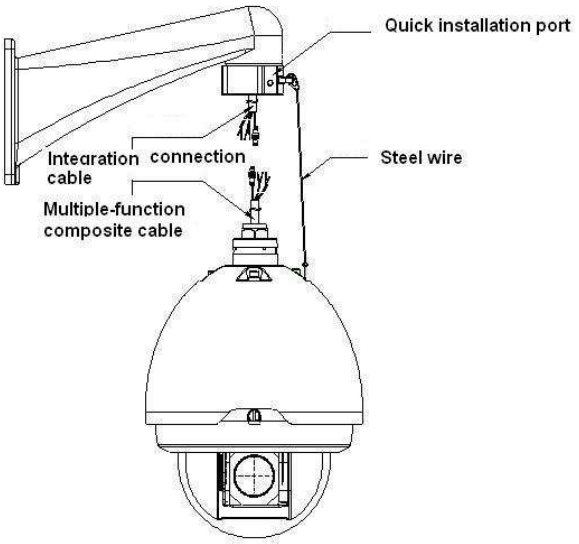
- Install the quick installation port.
- Twist Teflon tape around the screw thread of the quick installation port and turn it into the screw thread of the wall mount bracket.
- Use M4 stainless screws to secure firmly.

Install the transparent cover



- Begin the cable connection.

Port Name	Function	Connection	Color	Note
VIDEO OUT	Video output port	BNC	"/"	Output analog video signal.
AUDIO IN	Audio input port	/	Black/White	Input audio signal.
AUDIO OUT	Audio output port	/	Black/Red	Output audio signal.
+24V AC	Power input port	/		Power port
LAN	Network port	Ethernet port		Connect to standard Ethernet cable.
"RS485_A	RS 485 -	RS 485 A port	Yellow	
"RS485_B"	RS 485 +	RS 485 B port	Orange	



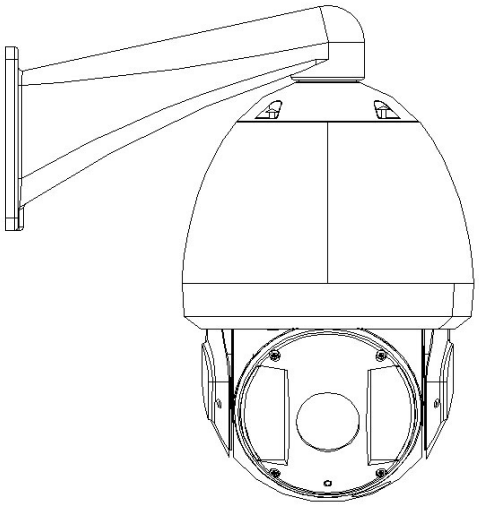
Note : The video port is covered the heat shrink tube of high shrinking ratio. After the video connection, please heat the tube to make sure the video port is damp proof and water proof.

4.2 Install the speed dome in the bracket

After you complete the above steps, please pull the integration cable and multiple-function composite cable to the wall mount bracket.

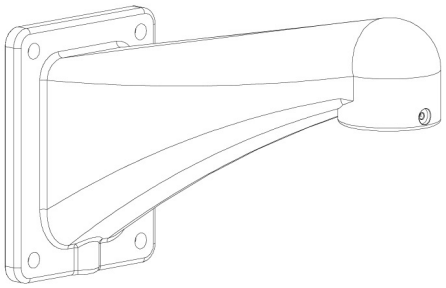
- Line up the straight edge of the internal enclosure of the quick installation speed dome to the straight edge of the quick installation port, and then push the speed dome to the bottom of the port slowly.
- Use your hands to turn the three stainless screws of the quick installation port to the groove of the internal enclosure of the quick installation speed dome.
- Turn the stainless screw of straight edge of the quick installation port to the Φ6.5 hole of the straight edge of the internal enclosure of the quick installation speed dome.
- Use the inner hex tool to fix these three stainless screws.

Now you have completed the installation.



4.3 Wall mount bracket installation

Wall mount bracket is shown as below.



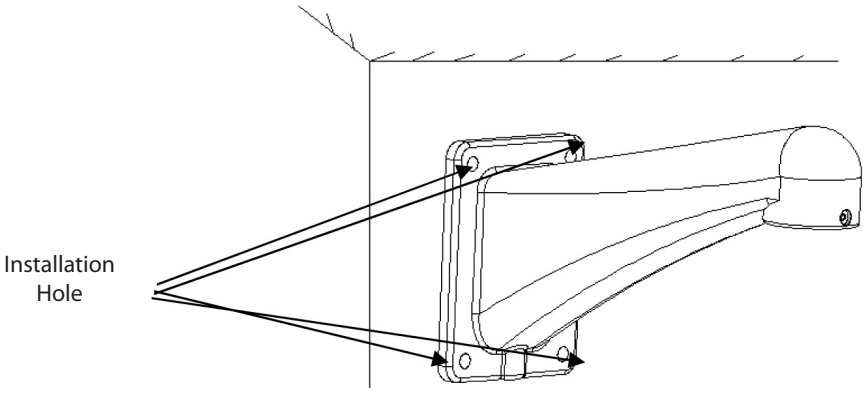
Installation requirements

The wall mount speed dome can be installed in the hard construction wall in the indoor or outdoor environments. Before the installation, please make sure:

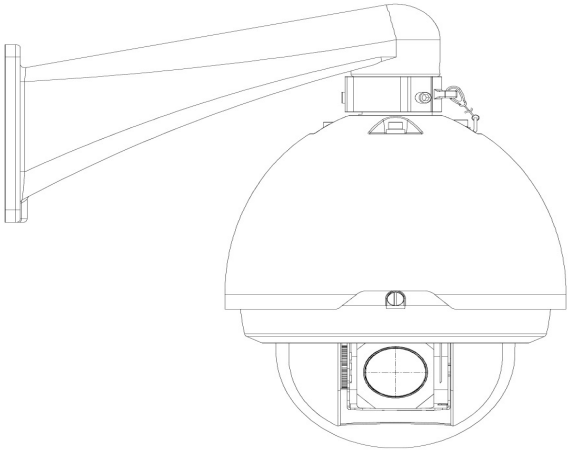
- The wall is thick enough to install the expansion bolt.
- The wall can at least sustain the 4x weight of the speed dome.

Installation steps

- Draw four holes position in the wall according to the hole of the bottom of the wall mount bracket.
- Dig four holes and insert the expansion bolts (not provided).
- Use four hex bolts and flat washer to fix the bracket in the expansion bolts.

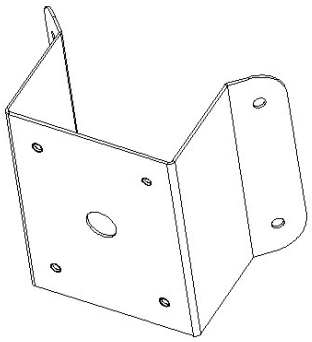


Install the speed dome in the bracket (refer chapter 4.2)



4.4 Corner mount bracket installation

Corner mount bracket and its components are shown as below.



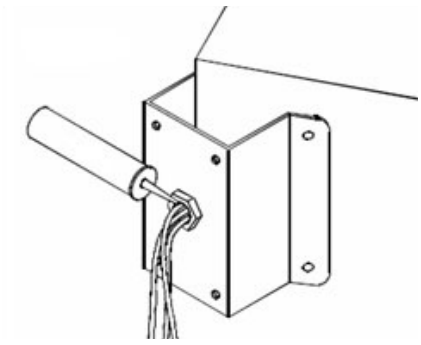
Installation requirements

The corner mount speed dome can be installed in the hard construction wall in the indoor or outdoor environments where there is a 90 degrees angle.

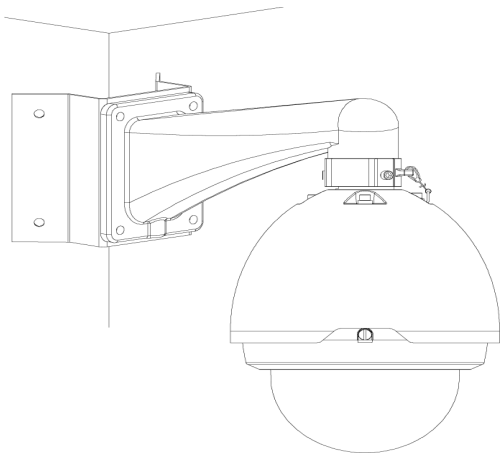
Before the installation, make sure:
- The wall is thick enough to install the expansion bolt.
- The wall can at least sustain the 4x weight of the speed dome.

Installation steps

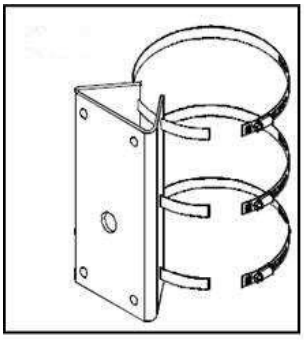
- Draw four holes position in the wall according to the holes of the corner installation accessories.

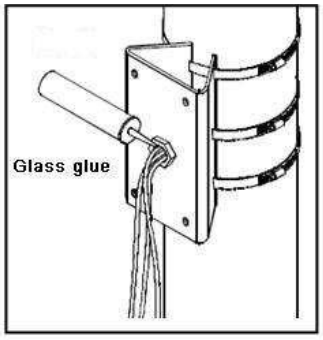


- Dig four holes and insert the M8 expansion bolts.
- Pull the cables through the centre hole of the bottom of the corner bracket, the waterproof adhesive, and the centre of the bracket.
- Reserve the enough cable connection length and then use the M8 expansion bolt to secure the corer mount bracket chassis on the wall.



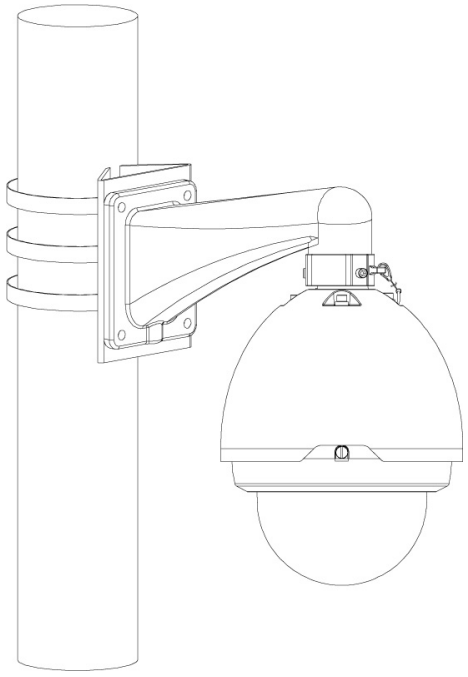
- Pull the cable out of the pole accessories and then use clamp to fix the pole accessories to the pole.
- Finally, use glass cement to the output hole to secure waterproof.





- After you installed bracket and external cover, loosen the captive screws and open the panel, pull the power cable through the hanging bracket and then fix the hanging bracket to the wall.
- Pay attention to the waterproof between the bracket and the wall.

- After you installed bracket and external cover, loosen the captive screws and open the panel, pull the power cable through the hanging bracket and then fix the hanging bracket to the wall.
- Pay attention to the waterproof between the bracket and the wall.

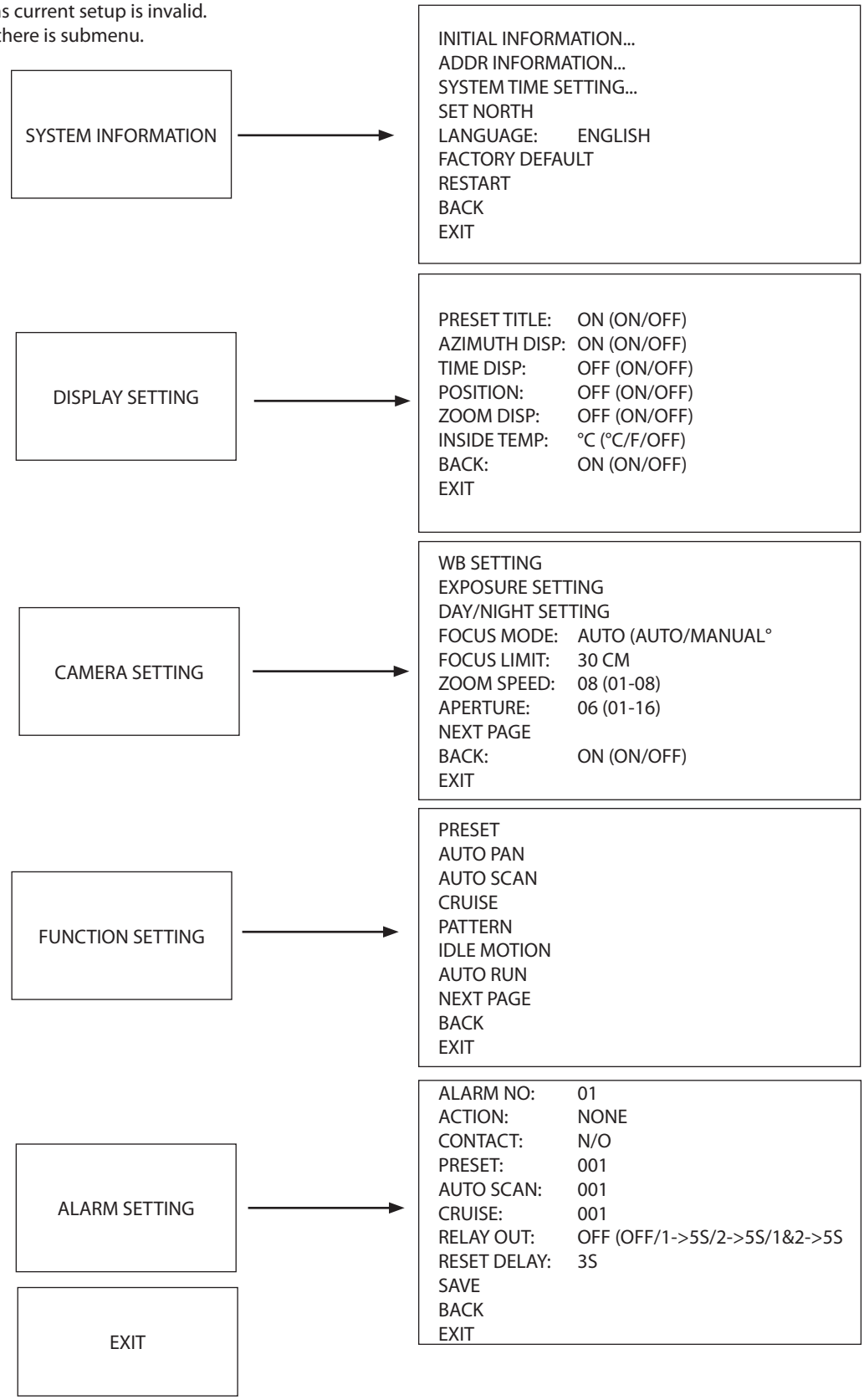


Refer to chapter 4. 2 for detailed installation information.

5 Menu

5.1 Screen Menu Index

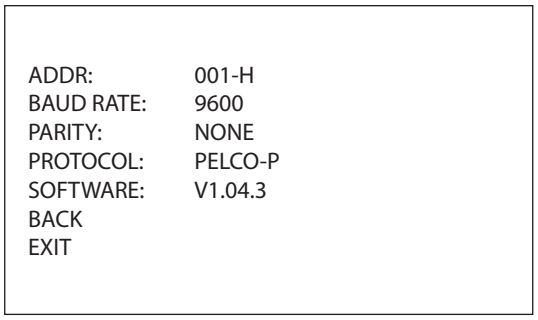
Note:
ERR means current setup is invalid.
... means there is submenu.



The above diagram illustrates the overall structure of the speed dome setup menu.

Note:
- ERR means current setup is invalid.
- Please make sure all the cable connections are right.

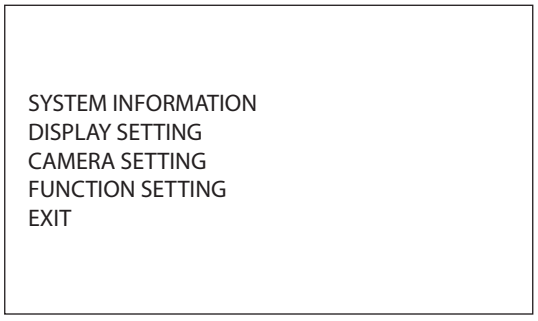
5.2 Self-diagnosis system information



After installation, connect speed dome to power. The system goes on a self-diagnosis, and then il pops up the above interface to show the system information.
If there is anything wrong during the self-diagnosis, system pops up error code. The above interface disappears after speed dome received after speed dome received the first commande (or the display time lasts for 4 minutes).

-ADDR: Here you can view dome address information.
For example, 001-H, 1 is the address number, -H is hard address mode. -S is software address mode.
- BAUD RATE: Dome communication baud rate.
- PARITY: Communication protocol.
- SOFTWARE: Dome PTZ software version.

5.3 Main menu



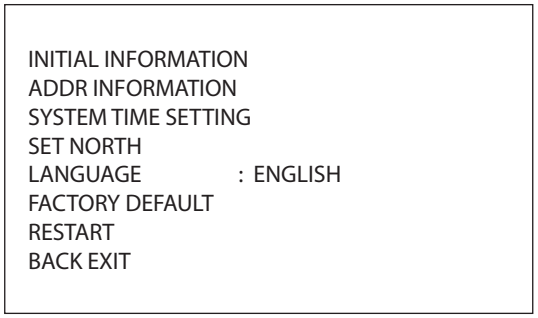
- SYSTEM INFORMATION: Dome self-diagnosis information, address information, system time setup, set north direction, language, language, factory default setup, reboot and so on.
- DISPLAY INFORMATION: Display dome preset title, azimuth display, time, direction, dome internal temperature and ect information.
- CAMERA PARAMETERS: Display dome white balance setup, camera function setup, day/night setup, shutter setup
- FUNCTION SETTING: Set preset, pan, scan, auto cruise, pattern, idle motion, time task and pivacy mask function.
- EXIT: Log out the system menu.

5.4 Menu operation

In the speed dome main menu, use the left/right button on the web interface to configure the system menu. Before setup, move the cursor to the current item you want to configure.

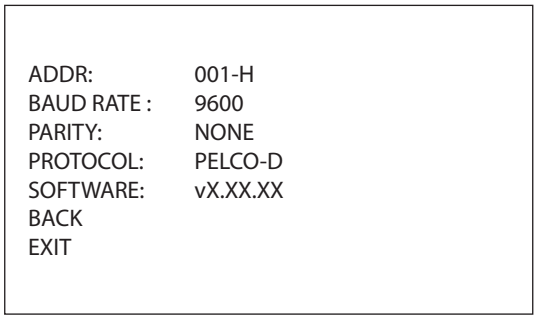
- In main menu, click confirm button to go to the sub menu or use left/right key to configure setup.
- Use up/down button to select back option and then click confirm button to go back to the previous menu.
- Use up/down button to select exit option and then click confirm button to log out system menu.

5.4.1 System Information



- INITIAL INFORMATION: Move the cursor to INITIAL INFORMATION and click confirm button to go to the third submenu.
- ADDR INFORMATION: Move the cursor to SITE INFORMATION and click confirm button to go to the third submenu.
- SYSTEM TIME SETTING: Move the cursor to SYSTEM TIME SETTING and click confirm button to go to the third submenu.
- SET NORTH DIRECTION: Set dome benchmark direction to know the angel between the benchmark and then current location.
  Move the cursor to the option and click confirm button until you see O.K.
  Now you have set north direction.
- LANGUAGE: Dome menu language.
  Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- FACTORY DEFAULT: Restore dome factory default setup. Move the cursor to the option and then click confirm button until you see O.K.
  The IP dome begin rebooting to restore factory default setup.
- RESTART: Reboot the speed dome.
- BACK: Go back to the previous menu.
- EXIT: Log out system menu.

Initialization information



- Move the cursor to INITIAL INFORMATION , click confirm button, you can see the above interface.
- View dome basic information.

Address Information

ADDR TYPE:	HARD
ADDR-HARD:	001
ADDR-SOFT:	001
BACK	
EXIT	

-Move the cursor to SITE INFORMATION and then click confirm button.

- ADDR TYPE: There are two options: soft and hard. Use the left/right button on the keyboard or in the speed dome terminal menu to set. Click the OK button to confirm
- ADDR-HARD: It is an address you set in the dial switch. Not modify it through software.
- ADDR-SOFT: You can set address via software. You can use menu to modify dome address. The value ranges from 1 to 255.
- BACK: Go back to the previous menu.
- EXIT: Log out system menu.

System Time Setting

YEAR:	2009
MONTH:	001
DATE:	017
WEEK:	SUNDAY
HOUR:	013
MINU:	052
SAVE	
BACK	
EXIT	

- Move the cursor to SYSTEM TIME SETING click confirm button, go to the third submenu.
- Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- After completed setup, click confirm button to save current setup.
- After speed dome menu displays OK, the setup is valid.

5.4.2 Display Setting

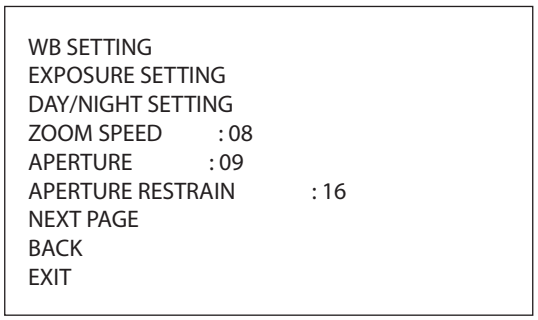
PRESET TITLE:	ON
AZIMUTH DISP:	ON
TIME DISP:	OFF
POSITION:	OFF
ZOOM DISP:	OFF
INSIDE TEMP:	℃
TITLE DISP:	OFF
BACK	
EXIT	

Move the cursor to DISPLAY SETUP and click confirm button, go to the third submenu.
Use the left/right button on the keyboard or in the speed dome terminal menu to set.
After completed setup, click save button to save current setup.

- PRESET TITLE: Display dome preset title or not. Use the left/right button on the keyboard or in the speed dome terminal menu to set. Go to Function Setup->Preset section to set corresponding preset value and preset title.
- AZIMUTH DISP: Display dome current coordinates or not. Use the left/right button on the keyboard or in the speed dome terminal menu to set
- TIME DISP: Display dome system time or not. Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- POSITION: Display the angel between the benchmark and then current location. Use the left/right button on the keyboard or in the speed dome terminal menu to set.

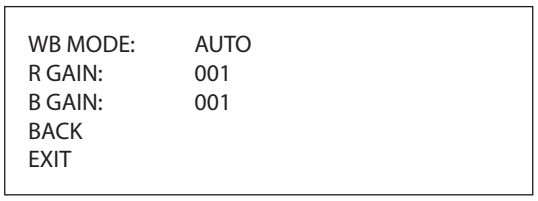
- ZOOM DISP: Display speed dome zoom speed or not.
  Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- INSIDE TEMPERATURE: Display dome internal temperature or not. There are three options: °C/F/Off.
  Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- TITLE DISPLAY: Set to display speed dome position information and etc.
  Use the speed dome control terminal to set the detailed title information.
  Use the left/right button to set.
- BACK: Go back to the previous menu.
- EXIT: Log out system menu.

5.4.3 Camera Setting



Move the cursor to CAMERA SETTING and click confirm button, you can go to the submenu.
- WHITE BALANCE SETUP: Move the cursor to current option and then click confirm button, you can go to the third menu.
- EXPOSURE SETTING: Move the cursor to current option and then click confirm button, go to the third menu.
- DAY/NIGHT: Set day/night mode. Move the cursor to current option and then click confirm button, go to the third menu. There are three options: auto/manual/off.
  Use the left/right button on the keyboard or in the speed dome terminal menu to set.
  Makes sure your product supports this function.
- FOCUS MODE: There are two modes: Manual/Auto. Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- FOCUS LIMIT: It is to set the distance between the camera and the object.
  It can prevent the focus distance is too small which may result in focusing on the enclosure.
  At the same time, you can change the distance to change the focus speed.
- ZOOM SPEED: The bigger the value, the faster the speed. Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- APERTURE: It is to adjust the lens to achieve clear video.
  Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- NEXT PAGE: It includes the following options: DIGITAL ZOOM, PICTURE FLIP, FREEZE FUNCTION, CAMERA FACTORY DEFAULT SETUP, CAMERA RESTART.
  Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- BACK: Go back to previous menu.
- EXIT: Log out system menu.

White Balance Setup



Move the cursor to WHITE BALANCE MODE and then click confirm button, you can go to the submenu.
- WHITE BALANCE MODE: Set white balance adjustment mode. There are two modes: auto/manual.
  Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- R GAIN: Before set R GAIN option, note the mode shall not be auto.
  Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- B GAIN: Before set B GAIN option, note the mode shall not be auto. Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- BACK: Go back to previous menu.
- EXIT: Log out system menu.

Exposure Setting

AE MODE:	AUTO
GAIN SETTING:	02
SHUTTER:	1/50
SETTING:	11
EXPOSURE COMP:	08
SLOW AE:	01
SLOW SHUTTER:	ON
NEXT PAGE	
BACK	
EXIT	

AGC GAIN LIMIT:	03
SLOW SHUTTER LIMIT:	1/25
NOISE REDUCTION:	03
BLC :	ON
WDR SETTING:	ON
BACK	
EXIT	

- AE MODE: Set the camera exposure mode.
  It includes: auto/manual/AV (iris priority)/TV (shutter priority).
  Use the left/right button on the keyboard or in the speed dome terminal menu to set.
  - Auto: It becomes valid after you set the exposure compensation, backlight compensation (BLC), slow shutter, wide dynamic region (WDR).
  - Manual: It becomes valid after you set the gain setting, shutter, iris setting, wide dynamic region (WDR).
  - AV: It becomes valid after you set the exposure setting, iris setting, wide dynamic region (WDR).
  - TV: It becomes valid after you set the shutter setting, exposure compensation, wide dynamic region (WDR).
- GAIN SETTING: Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- SHUTTER: Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- IRIS SETTING: Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- EXPOSURE COM: Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- SLOW AE: In the strong light environment, lower the camera exposure speed to capture the image and enhance the definition.
  Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- SLOW SHUTTER: In lower illumination environment, you can lower the cameras auto exposure time to capture the image and enhance the definition. Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- NEXT PAGE: It includes: AUTO GAIN LIMIT, AUTO SLOW SHUTTER LOW LIMIT, NOISE CONTROL, BLC, WDR, BACK, and EXIT. Move the cursor to the item and then click the left/right button to set.
  - AUTO GAIN LIMIT: Click the left/right button to set.
  - SLOW SHUTTER LOW LIMIT: Please click the left/right button to set.
  - NOISE REDUCTION: There may noise when the camera is monitoring the low illumination environments. You can use the digital filter to process the noise to guarantee the clear video.
  - BLC: It is an abbreviation for back light compensation.
  System can compensate the object in the dark light to achieve a clear video.
  Use the left/right button on the keyboard or in the speed dome terminal menu to set.
  - WDR ENBALE: It is an abbreviation for wide dynamic region. Make sure your camera supports current function. This function can adjust the video brightness when the contrast between the strong light and the dark light is too high. Please use the left/right button on the keyboard or in the speed dome terminal menu to set.
- BACK: Go back to previous menu.
- EXIT: Log out system menu.

Next Page

Move the cursor to NEXT PAGE and then click confirm button, you can go to the submenu.

APERTURE RESTRAIN	16
DIGITAL ZOOM :	ON
DZOOM LIMIT :	X4
PICTURE FLIP :	OFF
FREEZE FUNC :	OFF
STABLE :	OFF
CAMERA FACTORY DEFAULT	
CAMERA RESTART	
BACK	
EXIT	

- APERTURE RESTRAIN: It can automatically control the aperture in the low illumination environments. It can reduce the noise.
- DIGITAL ZOOM: You can use the left/right button to enable/disable the digital zoom function.
- PICTURE FLIP: This function allows you to turn the image rotation 180 degrees. There are two options: on/off. Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- FREEZE FUNCTION: This function allows the system from one preset to another preset, without showing the video during the PTZ movement. There are two options: on/off. Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- AF SENSITIVITY: You can set the auto focus threshold value here.
- CAMERA FACTORY
- DEFAULT SETTING: Move the cursor to current item and then click confirm button to restore factory default setup.
- CAMERE RESTART: Move the cursor to current item and then click confirm button to reboot the camera.
- BACK: Go back to previous menu.
- EXIT: Log out system menu.

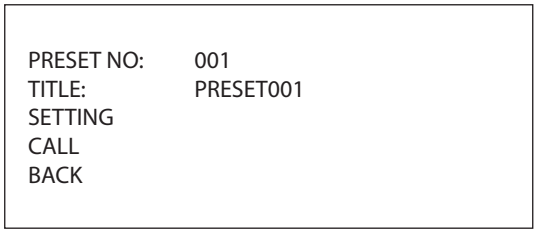
5.4.4 Function Setting

PRESET
AUTO PAN
AUTO SCAN
CRUISE
PATTERN
IDLE MOTION
AUTO RUN
NEXT PAGE
BACK
EXIT

Go back to main menu and move the cursor to FUNCTION SETTING, click confirm button.

- PRESET: Move the cursor to PRESET and then click confirm button to go to the third submenu.
- AUTO PAN: Move the cursor to PAN and then click confirm button to go to the third submenu.
- AUTO SCAN: Move the cursor to SCAN and then click confirm button to go to the third submenu.
- CRUISE: Move the cursor to AUTO CRUISE and then click confirm button to go to the third submenu.
- PATTERN: Move the cursor to PATTERN and then click confirm button to go to the third submenu.
- IDLE MOTION: Move the cursor to IDLE MOTION and then click confirm button to go to the third submenu.
- AUTO RUN: Move the cursor to TIME TASK and then click confirm button to go to the third submenu.
- NEXT PAGE: It includes: PRIVACY MASKING, PTZ SPEED, SET ZERO, POWER UP, MENU PASSWORD, MENU IDEL, PTZ AUTO STOP, and HEATER. Move the cursor to the item and then click the confirm button to set.
- BACK: Go back to previous menu.
- EXIT: Log out system menu.

Preset Setup

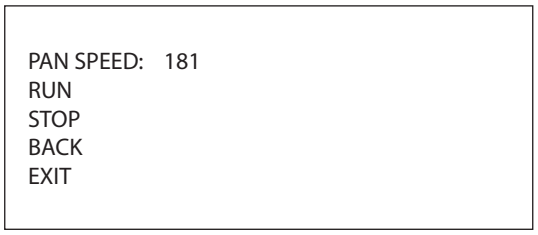


Move the cursor to PRESET button and then click confirm button to go to set interface.

- PRESET NO: Use left/right key to modify preset number. The different protocols support different preset values. The PELCOD and PELCOP support 1 to 255.
- TITLE: Title text is the label used for you to identify the camera. System will automatically name a title for the camera.
- SETTING: Input preset number first and then select the monitor zone. Move the cursor to setting and click confirm button. The system will pop up a message: PRESET: ***. Here *** means preset number. And the SETTING column pops up an OK. Now you successfully added a preset. Note, you need to enable display preset title function first (Main menu->display setting->preset title). Repeat the above procedures to set more presets. Once you want to modify a preset, you can input the preset number you want to modify and then follow the above steps to set the preset. You can successfully modify a preset content.
- CALL: Here is to recall preset. Move the cursor to PRESET NO and then input corresponding preset value. Then move the cursor to CALL and then click confirm button to go to a preset.
- BACK: Go back to previous menu.
- EXIT: Log out system menu.

For PELCO protocol user, please refer to the following special functions:
- Call preset: Call preset 28 or preset 95 to go to dome menu. Call preset 29 or preset 99 to go to scan. Call preset 24 or preset 81 to go to pattern. Call preset 25 or preset 82 to go to cruise (tour). Call preset 30 or preset 96 to stop scan or pattern. Call preset 31 or preset 83 to begin rotation. Call preset 33 to enable PTZ 180 degrees rotation. Call preset 34 to set dome position as 0.
- Set preset: Set preset 26 or 92 to set scan left limit. Set preset 27 or 93 to set scan right limit. Set preset 22 or 79 to begin record. Set preset 23 or 80 to stop record.

Pan



Move the cursor to PAN button and then click confirm button to go to setup interface.

- PAN SPEED: Set dome rotation speed. Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- RUN: Move the cursor to call item and then click confirm button. The dome begins 360 degrees continuous rotation.
- STOP: Highlight stop item and then click confirm button. The dome stops rotation.
- BACK: Go back to previous menu.
- EXIT: Log out system menu.

Scan

SCAN NO:	001
SET LEFT LIMIT	
SET RIGHT LIMIT	
SCAN SPEED:	161
RUN	
STOP	
BACK	
EXIT	

Move the cursor to SCAN button and then click confirm button.

- SCAN NO: Set auto scan number.
  Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- SET LEFT LIMIT: Set camera left address. Click confirm button to save current setup.
- SET RIGHT LIMIT: Set camera right address. Click confirm button to save current setup.
- SCAN SPEED: Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- RUN: Input auto scan number first, and then please move the cursor to RUN and click confirm button to activate auto scan function.
- STOP: Terminate auto scan function.
- BACK: Go back to previous menu.
- EXIT: Log out system menu.

Cruise (Touring)

CRUISE NO :	001
CRUISE SETTING	
DELETE CRUISE	
RUN	
STOP	
BACK	
EXIT	

Move the cursor to highlight CRUISE item and then click confirm button to go to set interface.

- CRUISE NO: Tour number.
  Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- CRUISE SETTING: Move the cursor to cruise setting item and then click confirm button.
  Add or remove the preset, and set the corresponding dwell time and call speed.

NO	PRESET	DWELL	SPEED
01	000	005	013
02	000	005	013
03	000	005	013
…	…	…	…
32	000	005	013

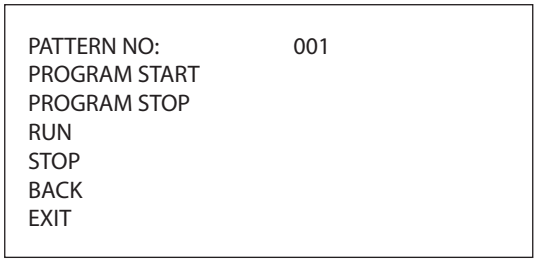
DWELL: Set dwell time.
Use the left/right button on the keyboard or in the speed dome terminal menu to set.
SPEED: Set the speed value.

When you move the cursor to one cruise number, you can use left/right button to turn the page.
When you move the cursor to one cruise number, click confirm button to set the cruise.
Use up/down button to set preset number, dwell time and speed. Use the left/right button to go to the next cruise.

Click confirm button you can exit the setup. After move the cursor to back button to go to the previous interface.

- DELETE CRUISE: Delete a cruise.
  Input cruise number in CRUISE NO and then move the cursor to DELETE cruise, click confirm button to delete.
- CALL: Activate cruise.
  Input touring number in touring NO and highlight CALL, click confirm button to activate touring.
- STOP: Terminate touring.
- BACK: Go back to previous menu.
- EXIT: Log out system menu.

Pattern



Pattern function can memory PTZ operation and camera focus zoom in and zoom out.
From the start position, dome begins auto movement repeatedly.
This series IP dome supports maximum 5 patterns and one pattern can max support 400 commands.
Move the cursor to PATTERN and click confirm button.

- PATTERN NO: Here is to set pattern number. The value ranges from 1 to 5.
  Click left/right key to configure.
- PROGRAM START: Memorize pattern starting point.
  An icon OK pops up in screen system begins memory pattern.
- PROGRAM STOP: Set pattern stop point. After all the movement, move the cursor to PROGRAM STOP and then click confirm button. Now you have set one pattern.
  System pops up an icon OK system has memories one pattern.
- RUN: Activate pattern.
  Input pattern number, move the cursor to RUN and click confirm button, system begins running pattern.
- STOP: Stop current pattern. Input pattern number, move the cursor to STOP and click confirm button. System stops current pattern.
- BACK: Go back to previous menu.
- EXIT: Log out system menu.

Note: The dwell time between two orders should be less than one minute, otherwise system will set to default value as one minute.

After click PROGRAM STOP, do not click CALL button before icon "●" disappears completely.
Any manual operation during the pattern procedure will terminate current dome pattern operation.

Idle Motion

IDLE FUNC:	OFF
IDLE TIME:	010MIN
IDLE ACTION:	NONE
PARAMETER:	001
SAVE	
BACK	
EXIT	

When there is no available command for specified time, dome automatically goes on the previous set functions.

- IDLE FUNCTION: There are two modes ON/OFF.
  Use left/right key to set.
- IDLE TIME: System idle period.
  Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- IDLE ACTION: There are several functions you can select: NONE/PRESET/SCAN/TOURING/PATTERN.
  Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- SAVE: Move the cursor to SAVE and click confirm button to save current setup.
- BACK: Go back to previous menu.
- EXIT: Log out system menu.

Auto Run (Schedule task)

TASK NO:	1
TIME TASK:	OFF
TASK SETTING:	
TASK INFORMATION	
DELETE TASK	
BACK	
EXIT	

- TASK NO: Set task number.
  Use the left'/right button to set.
- TIME TASK: The schedule task allows the speed dome to implement corresponding setup during the specified time. There are two options: on/off. Use the left/right button on the keyboard or in the speed dome terminal menu to set.
- TASK SETTING: Set task time, operation, operation SN and etc.
  Click the confirm button to go to the fourth menu to set.
- TASK INFORMATION: View the corresponding task information.
  Click the confirm button to go to the fourth menu to set.
- DELETE TASK: Input the task number to be deleted in the TASK NO, and move the cursor to the current item. Click the confirm button, remove all the setups in the current schedule task.
  Now current task is null.
- BACK: Go back to the previous menu.
- EXIT: Log out the system menu.

Task Information
Move the cursor to the TASK INFORMATION and then click the confirm button to go to the following interface.
See the corresponding task information.
Click the confirm button again, exit current interface.

NO	TIME	ACTION	
1 ALL	00:00:00:00	SC001	OFF
2 ALL	00:00:00:00	SC001	OFF
3 ALL	00:00:00:00	SC001	OFF
4 ALL	00:00:00:00	SC001	OFF
5 ALL	00:00:00:00	SC001	OFF
6 ALL	00:00:00:00	SC001	OFF
7 ALL	00:00:00:00	SC001	OFF

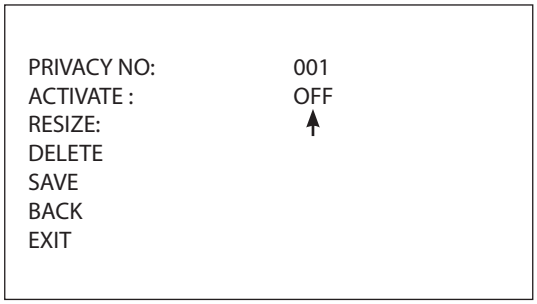
Next Page

Move the cursor to the NEXT PAGE and then click the confirm button, you can go to the third menu to set the PTZ SPEED, SET ZERO, POWER UP and etc.

PRIVACY MASK:	
PTZ SPEED:	5
SET ZERO	
POWER UP	
MENU PASSWORD	
MENU IDLE	1M
PTZ AUTO STOP	155
BACK	
EXIT	

- PRIVACY MASK: Set the privacy mask number and etc. It includes the third menu. Move the cursor to the current item and then click the confirm button to go to the next interface.
- PTZ SPEED: It is to set PTZ speed. Use the left/right button to set.
- SET ZERO: It is to set the PTZ initial position. Move the PTZ to the corresponding position and then click the confirm button to complete the setup.
- POWER UP: It is to set the PTZ action when the speed dome boots up. Click the confirm button to go to the next interface. To set
- MENU PASSWORD: It is to set the password to go to the PTZ menu. Click the confirm button to go to the next interface. To set
- MENU IDLE: If current setup is ON, once you open the menu and leave it idle for specified period, the menu may automatically disappear. If current setup is OFF, the menu is always there and will not disappear. Use the left/right button to set.
- PTZ AUTO STOP: The speed dome will stop all the PTZ operations when there is no command for the specified time. It includes various setups. Please use the left/right button to set.
- BACK: Go back to the previous menu.
- EXIT: Log out the system menu.

Privacy Mask
Move the cursor to PRIVACY MASK and click confirm button, system goes to privacy mask setup interface.



Note:
For security reasons, please set privacy zone a little bit larger than the privacy object size.
Each time, after modifications you need to move the cursor to SAVE button and then click confirm button to get all setup activated. Otherwise, privacy zone may not move correspondingly with the object.

Please enter privacy mask menu, now all the privacy zones are closed.
Move the cursor to PRIVACY NO, please use left/right key to set different privacy zones.

For example, shift to 001 section and then move the cursor to ACTIVATE.
Secondly, use left/right key to select ON mode. Now there is a privacy zone in the screen centre.
Thirdly, use PTZ to move camera so that privacy object fit well with screen centre.
Fourthly, move the cursor to RESIZE and then click left and right key to adjust privacy zone direction and size.
Fifthly, move the cursor to SAVE and then click confirm button to exit.

- PRIVACY NO: Set privacy mask zones.
  Use the left/right button on the keyboard or in the speed dome terminal menu to set.
  The value ranges from 1 to 24.
  Please note the value here may vary due to different protocols.

- ACTIVATE: There are two settings: on and off. When activate function is on, the privacy mask function will be activated and displays in the screen. When activate function is off, the privacy mask function will be closed and the blank will not displayed in the screen.
- RESIZE: It is to adjust the privacy zone size.
  Continue pressing direction button to widen or narrow zone size. ← is to narrow the horizontal width and → is to widen the horizontal width. ↑ is to widen vertical height and ↓ is to narrow the vertical height.
- SAVE: Here is to save user setup.
- DELETE: Here is to delete setup and restore default setting.
- BACK: Go back to previous menu.
- EXIT: Log out system menu.

Power Up

Move the cursor to the POWER UP item and then click the confirm button to go to the fourth menu.

POWER UP:	NONE
PARAMTER:	NONE
BACK	
EXIT	

- POWER UP: It is to set the PTZ operation when the speed dome boots up. The option includes: NONE/AUTO/SCAN/PRESET/PATTERN/TOUR and etc. Use the left/right button to set.
- PARAMTER: Set the serial number of the corresponding operation such as the scan, preset, pattern, tour. Use the left/right button to set.
- BACK: Go back to the previous menu.
- EXIT: Log out the system menu.

Menu Password

Move the cursor to the MENU PASSWORD and the click the confirm button to go to the fourth menu.

PASSWORD: SETTING: BACK: EXIT:	PASSWORD 1 2 3 4 5 6 7 8 9 0 → SAVE BACK

- PASSWORD: It is to set the speed dome menu password. Use the left/right button to set.
- SETTING: Click the confirm button to go to the password setup interface. Use the left/right button to set the value and then click the confirm button to confirm current option. Move the cursor to the SAVE button and then click the confirm button to save current setup. Click the BACK button to go to the previous menu.
- BACK: Go back to the previous menu.
- EXIT: Log out the system menu.

5.5 Dome Abnormal Phenomenon Operation

5.5.1 Restore to Factory Default Setup

From main menu-> SYSTEM INFORMATION, move cursor to FACTORY DEFAULT and click confirm button.
Dome will reboot and all the setups restore to factory default setup.

5.5.2 PTZ Movement is not smooth

From menu to SYSTEM INFORMATION, move cursor to RESTART and click confirm button.
This reboot will not modify all activated setup (such as preset, tour and pattern)

6 Quick Configuration Tool

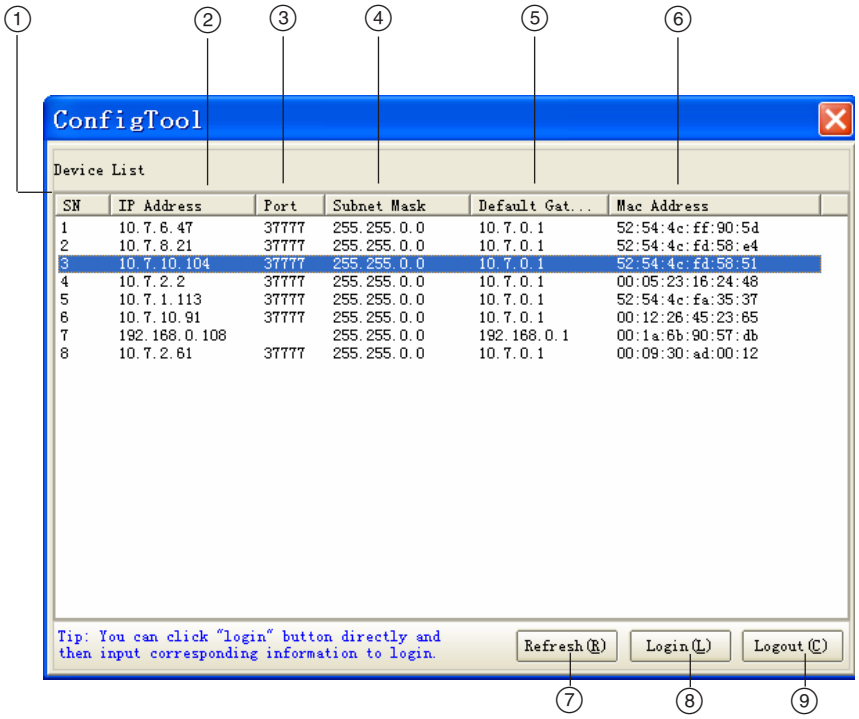
The quick configuration tool allows you to search for a device's IP address, even if it is in another segment (cameras, DVR, NVR, encoders and decoders) and to modify it. The configuration tool is available on the CD supplied with the product.
It also allows the software to be upgraded or certain parameters to be modified.
This tool is used to connect to devices with an IP address in the same segment only.

6.1. First Connection

6.1.1 Connection with the configuration tool (to change the IP address or upgrade a device's internal software)

To open the software, double click the "ConfigTool.exe" icon on the CD supplied with the product.

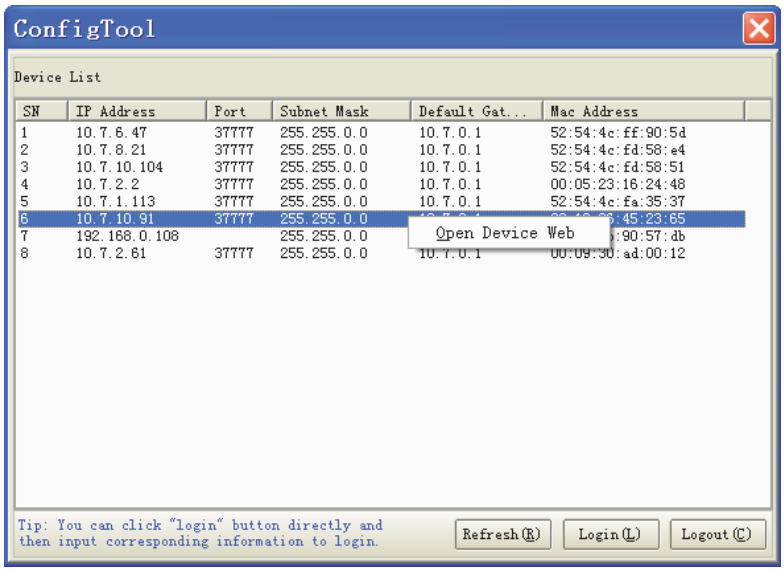
To search for devices connected to the network:
- Click the "Refresh" button; the tool will search for devices connected to the network and display it in the form of a list.



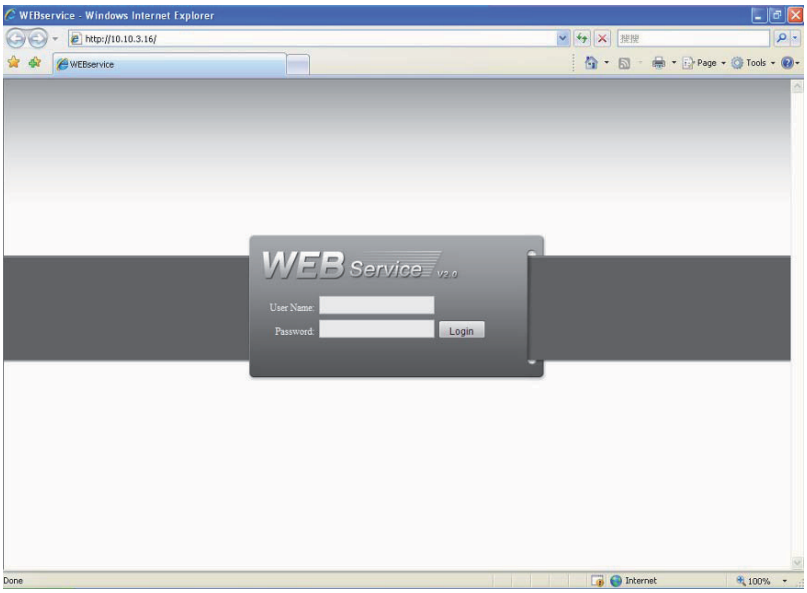
	Description
①	Number
②	Device IP address
③	Device TCP port
④	Device subnet mask
⑤	Device default gateway
⑥	Device MAC address
⑦	Refresh the list
⑧	Access to the camera's network configuration menu
⑨	Disconnection from the camera's network configuration menu

To connect to a device and open the web application:

- Highlight it (single click in the list).
- Right click the highlighted line.



- Click on "Open Device Web".
- The following web page opens:



If the connection fails:
- either the camera does not have an IP address in the same segment as the PC (see chapter 6.1.2 to change it),
- or the Internet Explorer security parameters are not set correctly (see chapter 7 to change them).

6.1.2 Connection with the configuration tool (to change the IP address or upgrade a device's internal software)

To search for devices connected to the network:
- Click the «Refresh» button; the tool will search for devices connected to the network and display them in the form of a list (see chapter 6.1.1 for details of the interface).

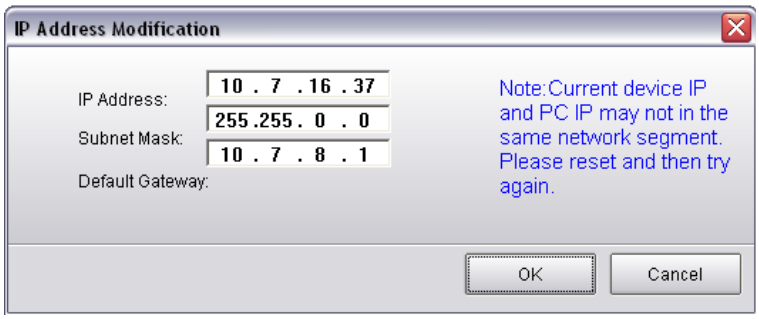
To connect to a device:

- Highlight it (single click in the list).
- Click on button ⑧ (or double click on the highlighted line).
- The following window opens:

Function	Note
IP address	Device IP address
User name	Device user name
Password	Device password
Port	Device TCP port
Login	Connection
Cancel	Cancel

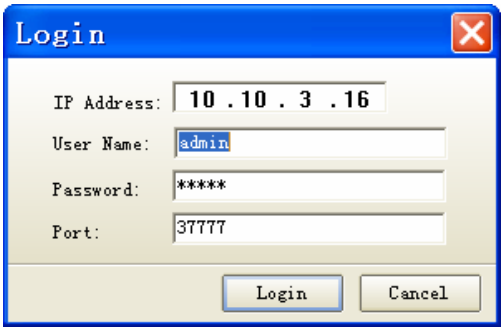
Click "Login" once the information has been entered.

If the following screen appears, this means that the device address is not in the same IP addresses segment as the PC on which the configuration tool is currently running. It will therefore not be possible to connect.

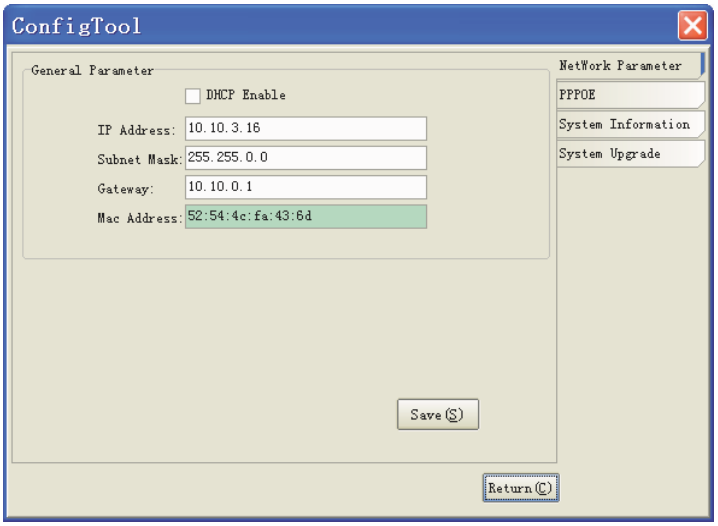

IP Address Modification
IP Address:
10 . 7 .16 . 37
Subnet Mask:
255.255. 0 . 0
Default Gateway:
10 . 7 . 8 . 1
Note:Current device IP and PC IP may not in the same network segment. Please reset and then try again.
OK
Cancel

- Manually modify the IP address by entering the desired new address.
- Click OK to save the new address in the device.

- Restart the procedure. The following window should open:



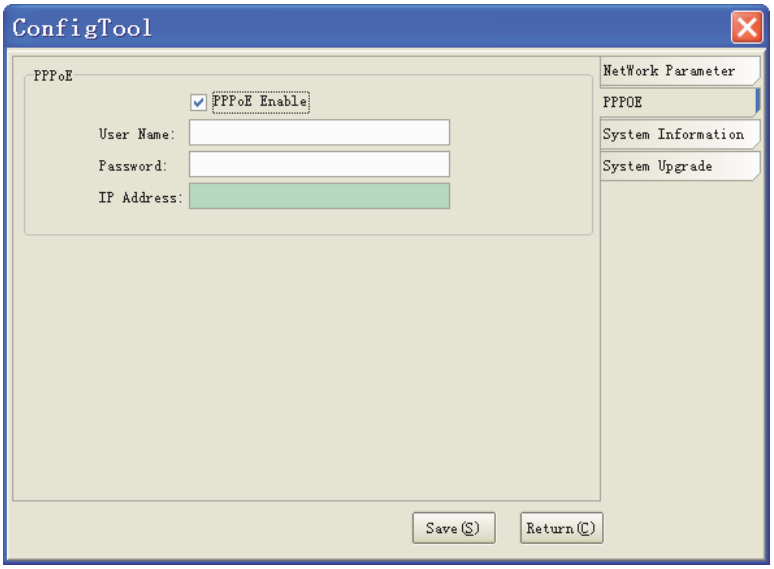
- Click Login to access the parameter modifications.



Function	Note
Enable DHCP	Enable or disable the DHCP function
IP address	Device IP address
Subnet mask	Device subnet mask
Gateway	Device default gateway
MAC address	Device MAC address
Save	Save
Return	Return to the search interface

6.1.3 PPPoE

Select "PPPoE" on the right-hand side of the interface:

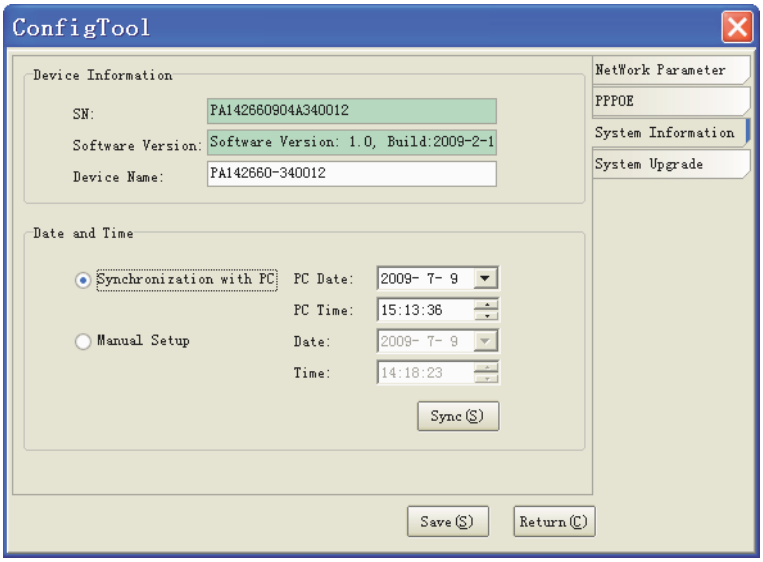


Function	Note
Enable PPPOE	Enable or disable the PPPoE function
User name	PPPOE user name
Password	PPPOE password
IP address	Device IP address in the WAN
Save	Save
Return	Return to the search interface

- Click the "System Information" tab on the right.

6.1.4 System

Select "System Information" on the right-hand side of the interface.

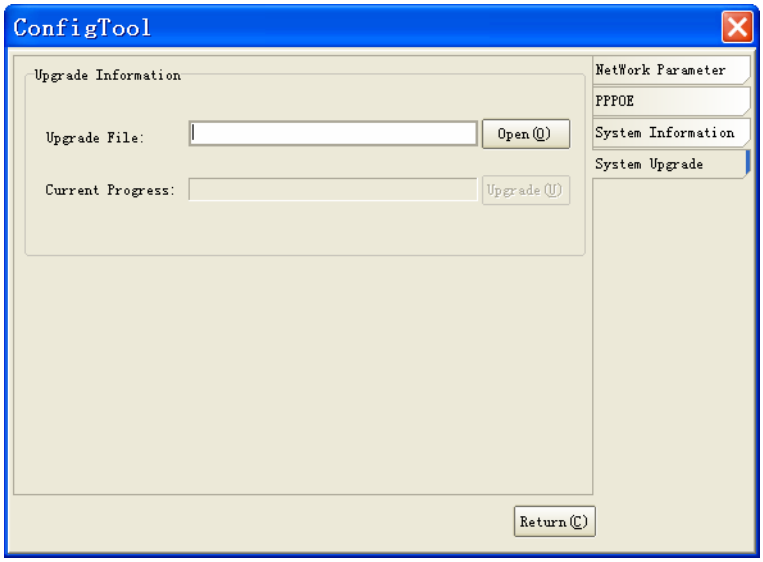


Function	Note
SN	Device serial number
Software version	Device software version
Device name	Model name
Synchronization with PC	Synchronisation of the device date and time with the date and time on the PC. Click "Sync" to synchronise, then "Save" to save the date and time.
PC date	PC date
PC time	PC time
Manual Setup	Manual setup of the device date and time. Enter the desired date and time. Click "Sync" to synchronise, then "Save" to save the date and time.
Date	Date
Time	Time
Sync	Synchronise
Save	Save
Return	Return to the search interface

- By way of example, enter a camera name in the "Device Name" field.
- Check that "Synchronization with PC" is selected, so that the date and time are synchronised with the PC.
- Check that the date and time are correct. If not, click "Sync(S)".

6.1.5 System Upgrade

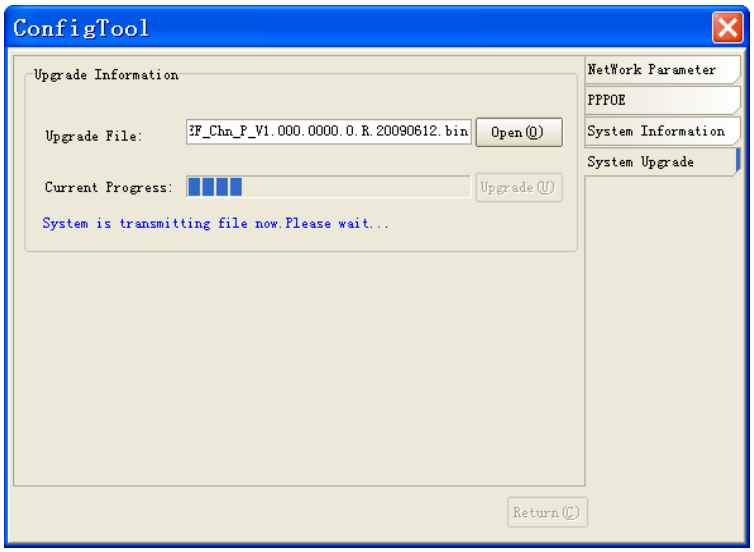
Select "System Upgrade" on the right-hand side of the interface.



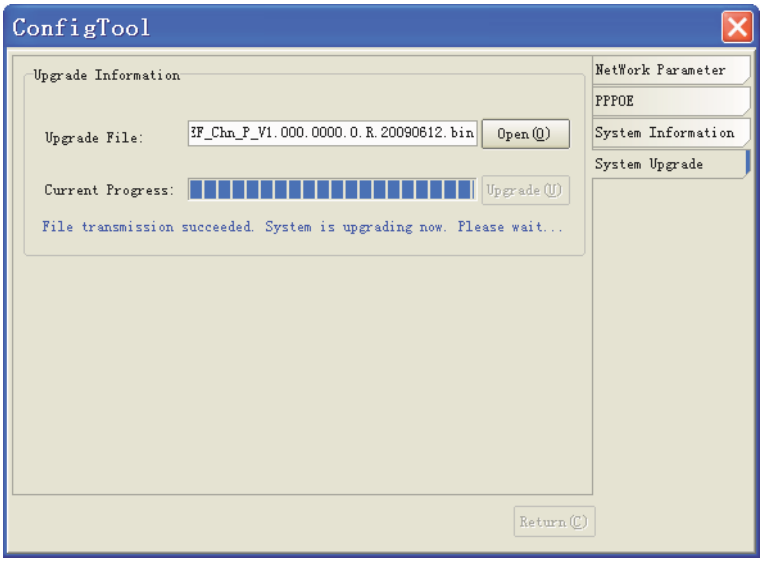
Function	Note
Upgrade file/Open	Click here to select the upgrade file.
Current progress/Upgrade	Click here to start the upgrade procedure.
Return	Return to search interface

Steps for updating the device's internal software

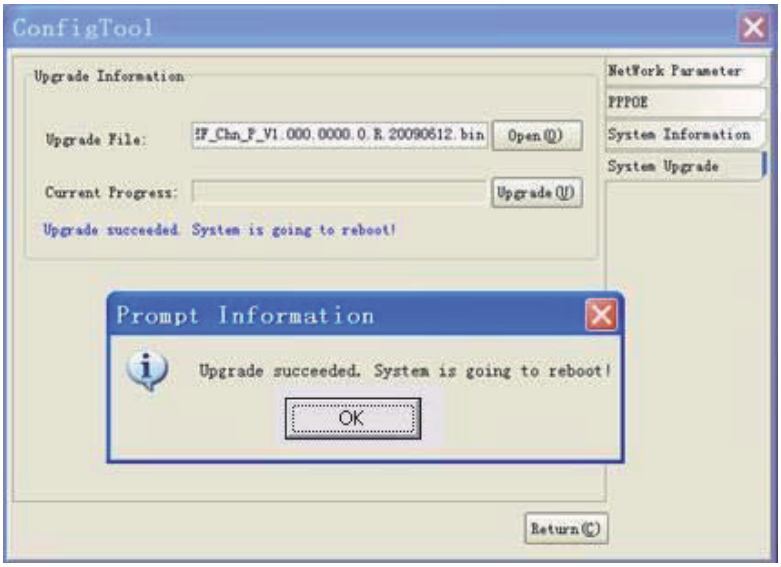
- Click on the "Open" button and select the *.bin internal software file.
- When the file has been added, click the "Upgrade" button; the file is then transmitted to the device.



- Once the file has been transferred, the device upgrades automatically.



- Once the device has been upgraded, the following dialogue box opens:



- Click OK to finish the procedure.

7 Connecting to a Device and Opening the Web Application

7.1 PC Configuration

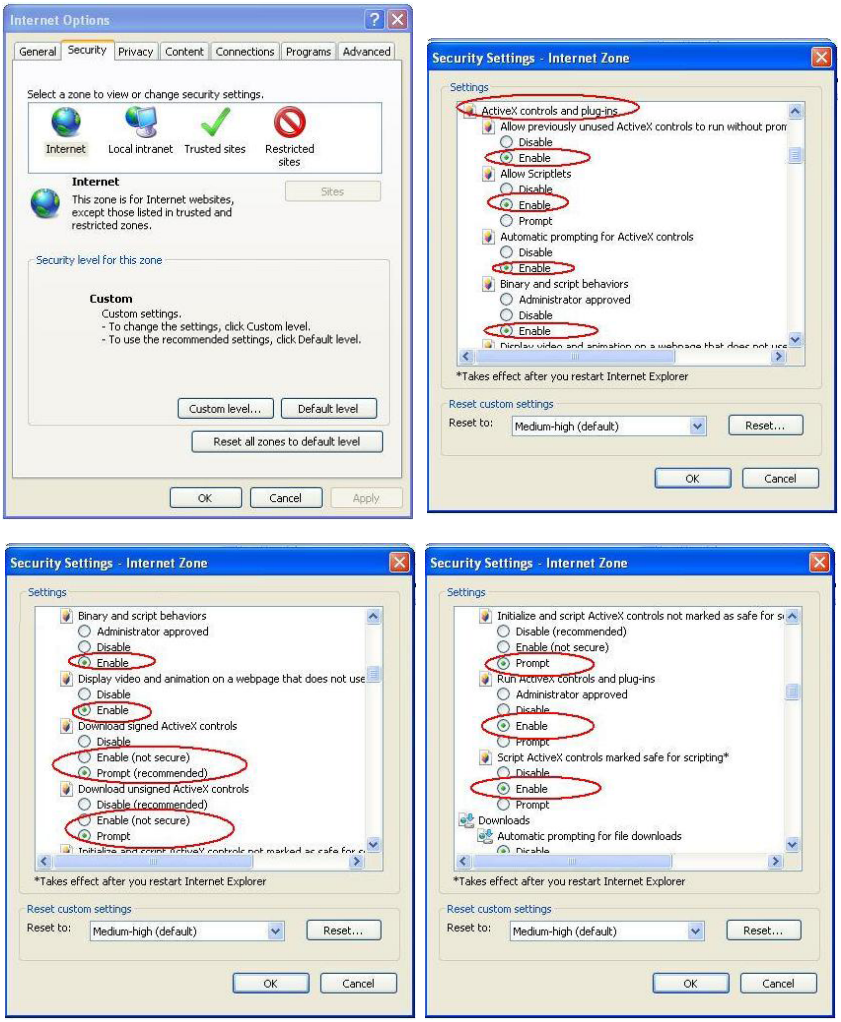
This device supports Web access and management via PC.

Web includes several modules including monitor channel list, record search, alarm setup, system configuration, PTZ control, monitor window, etc.

The system pops up warning information to ask whether you wish to install the control webrec.cab or not. Click OK; the system can automatically install the control.

When the system is upgrading, it can overwrite the previous Web application too.

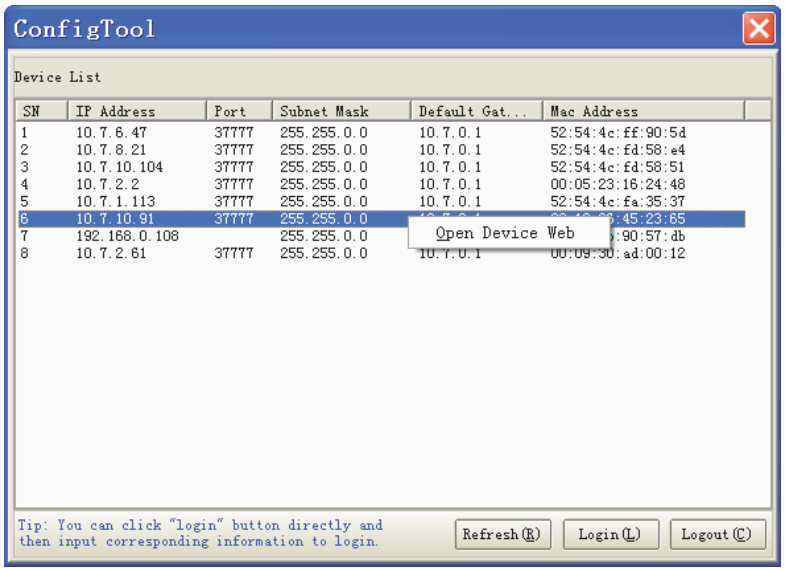
If you cannot download the ActiveX file, check whether you have installed the plug-in to disable the control download. Alternatively you can lower the IE security level.



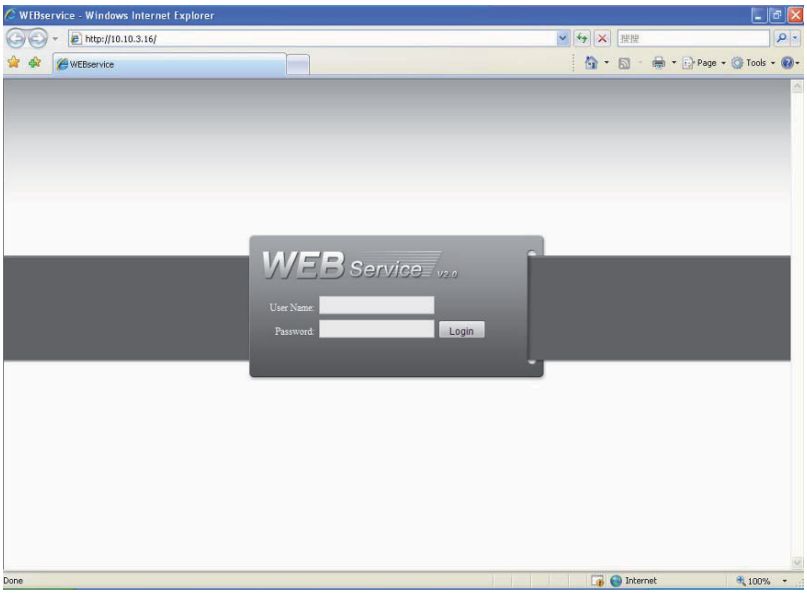
7.2 Connection with the Search Tool

To open the software, double click the "ConfigTool.exe" icon on the CD supplied with the product.

To search for devices connected to the network:
- Click the "Refresh" button; the tool will search for devices connected to the network and display them in the form of a list.
- Highlight the device required (single click in the list).
- Right click the highlighted line.



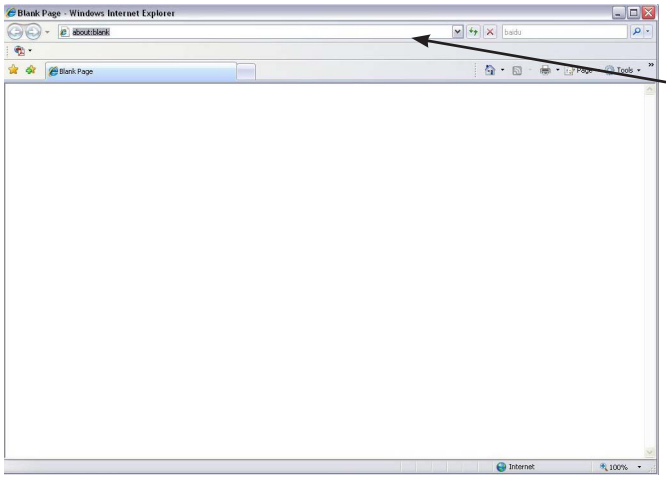
- Click on "Open Device Web".
- The following web page opens:



7.3 Connection with Internet Explorer

IP camera factory default setup:
- IP address: 192.168.1.108.
- User name: admin
- Password: admin

Open Internet Explorer (IE) and enter your camera IP address in the address bar.
For example, if your camera IP is 192.168.1.108, then enter http://192.168.1.108 in the IE address bar.

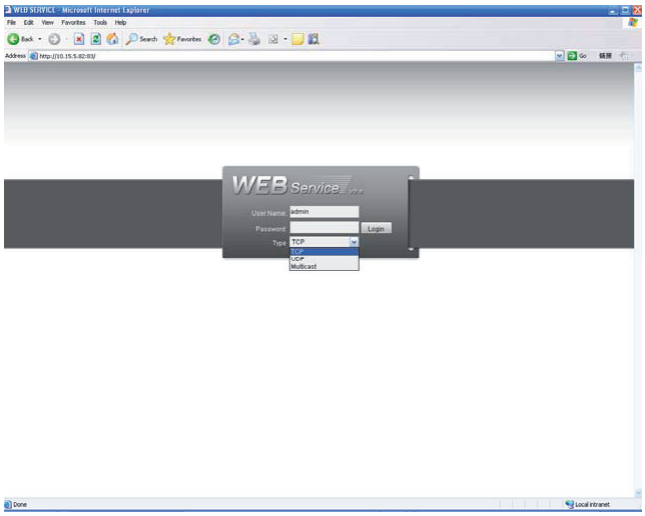


Input your IP address here

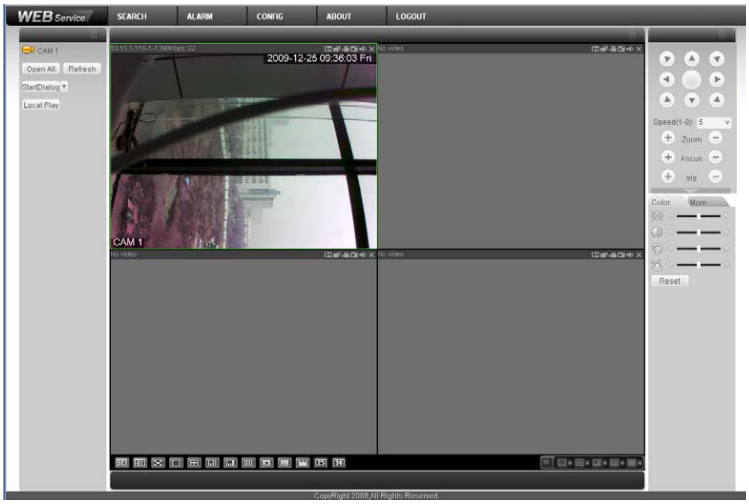
Note:
If the connection fails:
- either the camera does not have an IP address in the same segment as the PC (see chapter 6.1.1 to change it),
- or the Internet Explorer security parameters are not set correctly
(see chapter 7.1 to change them).

7.4 Login

- Enter your user name and password.
(Default factory name is admin and password is admin.)
The login type includes: TCP/UDP/Multicast (depending on the device).



After you log in, the main window appears:

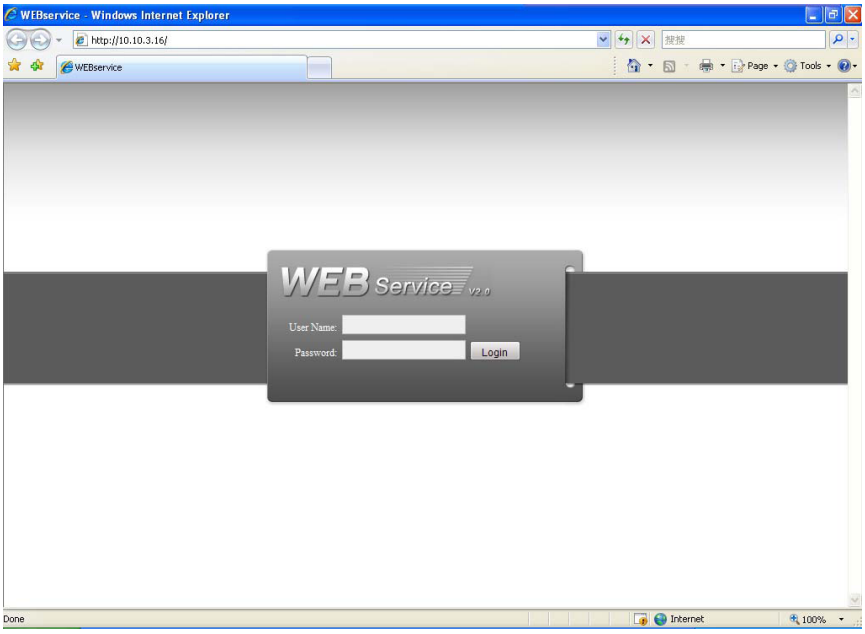


Note: Use IE compatibility mode if you are using IE8 or above.

See the detailed user guide for the Web interface.

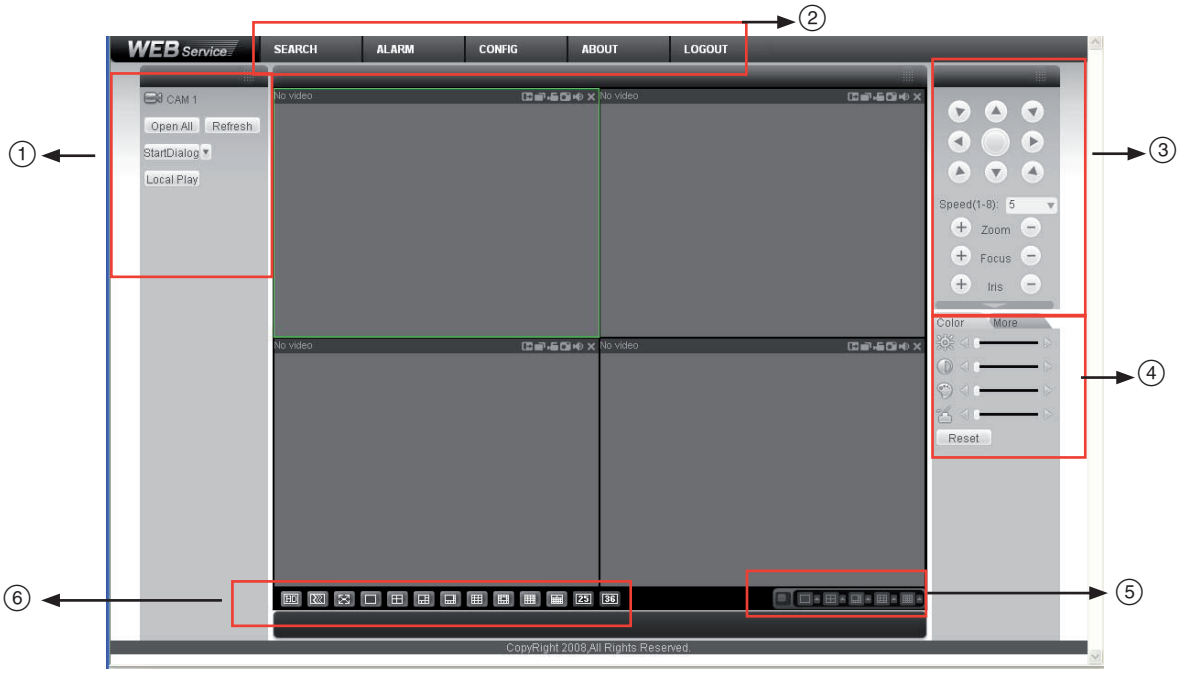
8 Main Interface Introduction

8.1 Log in



Input user name and password (default is admin/admin).

After you logged in, IP Camera web main interface appears:



There are six sections:
- Section 1: Monitor channel menu tree.
- Section 2: System menu.
- Section 3: PTZ control.
- Section 4: Video setup and other setup.
- Section 5: Preview window.
- Section 6: Monitor window switch.

8.2 Monitor Channel Menu Tree

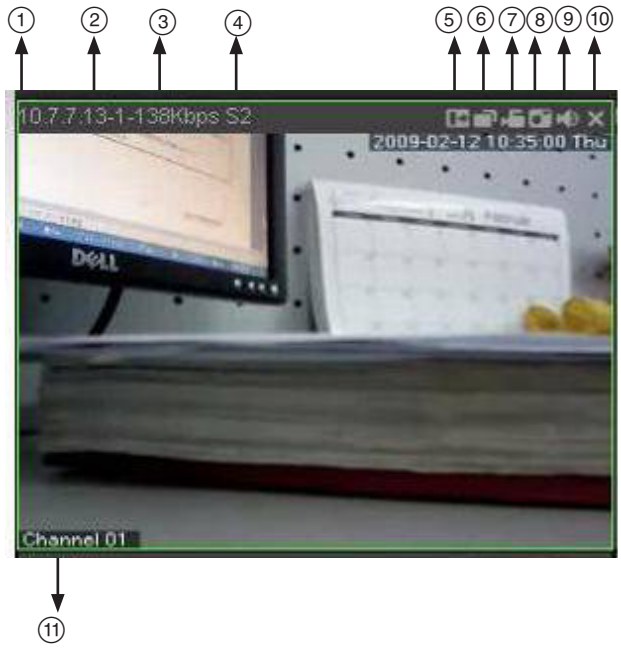
The monitor channel menu tree is shown below.

Refer to the following sheet for detailed information.

Parameter	Function
CAM 1	Monitor channel 1 IP Camera supports main stream and extra stream. - **Main stream:** In normal network width environment, main stream can record video and audio and realize network monitor. - **Extra stream:** If network width is not sufficient, you can use extra stream to realize network monitor. Note the extra stream resolution shall be less than main stream resolution.
Open all /Close all	Click this button to open all video channels. Once all video channels are open, this button becomes "Close all".
Start dialog	Click this button to enable audio talk. Audio compression type: G.711a (default), PCM, etc.
Local play	Click this button to select recorded file into the local PC to play it in the web interface.
Refresh	Click this button to refresh monitor channel name.

8.2.1 Live Monitoring

Left click on camera name to view real-time video, the monitor is show below.



Refer to the following sheet for monitor window parameter information.

SN	Parameter	Function
1-4	Display device information	- 1: Device IP address. - 2: Channel number. - 3: Bit stream. - 4: Stream decode type. - S1: Overlay. - S2: Off stream. - S3:GD1 - H1: Overlay - H2: off stream decoding from the display card.
5	Digital zoom	Click this button and then left drag the mouse in the zone to zoom in. Right click mouse system restores original status.
6	Change show mode	Resize or switch to full screen mode.
7	Local record	Click this button to begin local recording. The recorded file is saved by default to folder: C:\RecordDownload.
8	Capture picture	Click this button to snapshot. Images are memorized in folder: C:\ Picture download (default).
9	Audio	Turn on or off audio.
10	Close video	Close video in current window.
11	Channel number	Current view channel number.

8.2.2 Playback

Click local play to open recorder. The playback bar is shown below:

1- Playback process control
2- Play
3- Pause
4- Stop
5- Slow play
6- Fast play

Once you selected window is in real-time monitor mode, system automatically switches to playback the video by default.

8.3 System Menu

For detailed information refer to:
- Chapter 9 : Configuration,
- Chapter 10 : Search,
- Chapter 11: Alarm,
- Chapter 12: About,
- Chapter 13 : Log out.

8.4 Monitor Window Switch

The device support only 1-window and full-screen display mode.

Video quality adjustment button.

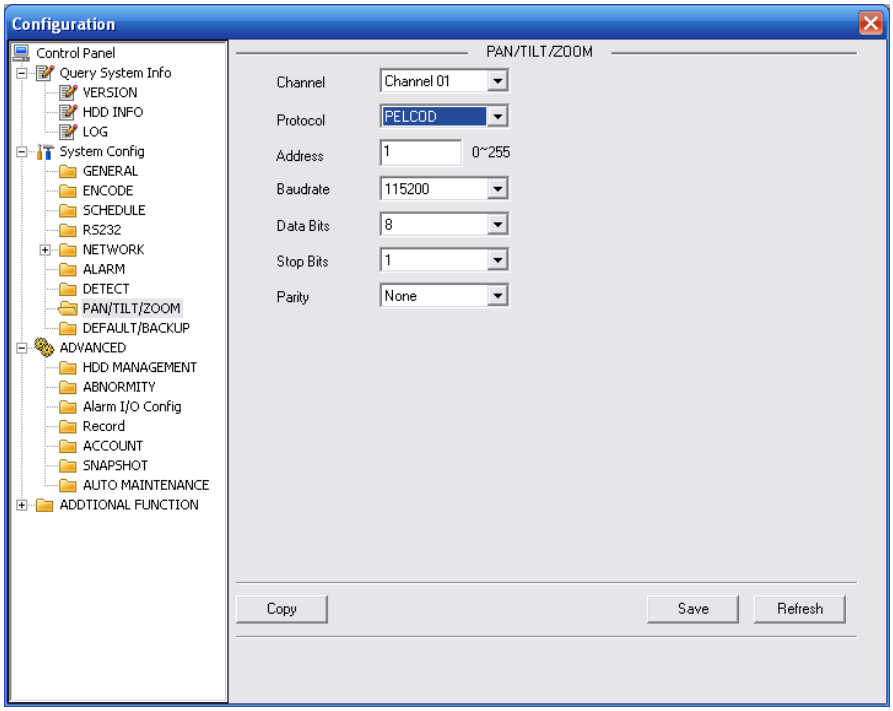
Displays the original image size in the webpage.

8.5 Preview Window Switch

The device do not support this function.

8.6 PTZ Control

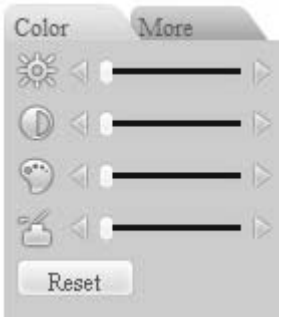
PTZ interface is shown below
Before operations make sure you have set the speed dome address. The DVR and the speed dome connection are OK.



Parameter	Function
Channel	You can select monitor channel from the dropdown list.
Protocol	Select the corresponding dome protocol (such as PELCOD).
Address	Set corresponding dome address. Default value is 1. Please **Note** your setup here shall comply with your dome address; otherwise you can not control the speed dome.
Baud Rate	Select the dome baud rate. Default setup is 9600.
Data Bit	Default setup is 8. Please set according to the speed dome dial switch setup.
Stop bit	Default setup is 1. Please set according to the speed dome dial switch setup.
Parity	Default setup is none. Please set according to the speed dome dial switch setup.
Save	You can click save button after you complete setup for one channel, or you can complete the whole setups and then click save button.
Refresh	Click this button to get device latest configuration information.

8.7 Color and More Setup

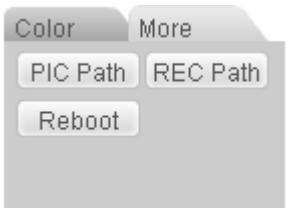
Color setup



Refer to the following sheet for detailed information.

Parameter		Function	
Video setup		Adjust monitor video brightness.	All the operations here apply to web display only. Go to chapter 9.2.2 System configuration->Encode setup->color setting to adjust corresponding system items.
		Adjust monitor video contrast ness.	
		Adjust monitor video saturation.	
		Adjust monitor video hue.	

More Setup



Refer to the following sheet for detailed information.

Parameter		Function
More	Picture Path	System pops up an interface to modify path.
	Record Path	System pops up an interface to modify path.
	Reboot	System pops up a dialogue box, click OK button to reboot device.

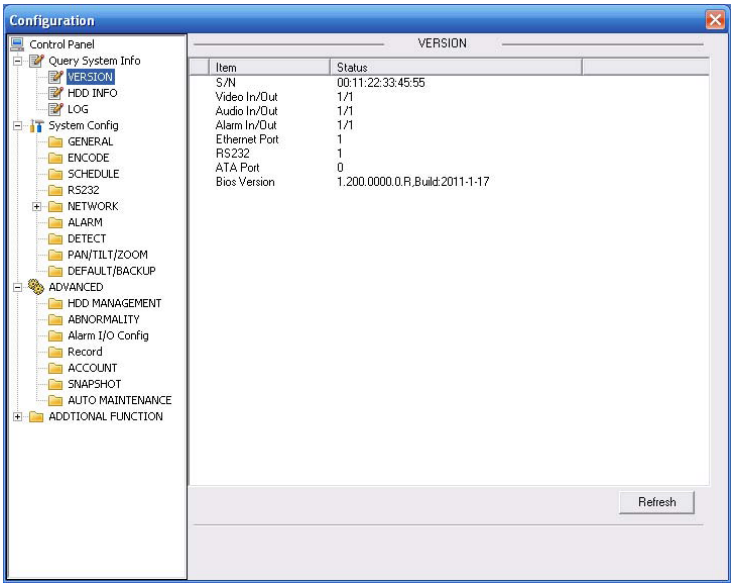
9 Configure

See chapter 8.3 to see how to access to the configuration menu».

9.1 System Information

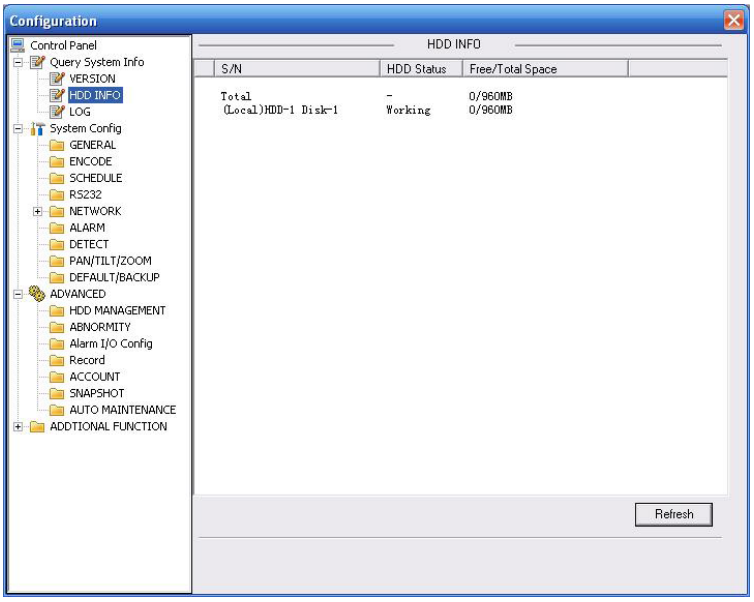
9.1.1 Version Information

View device hardware feature and software version information.



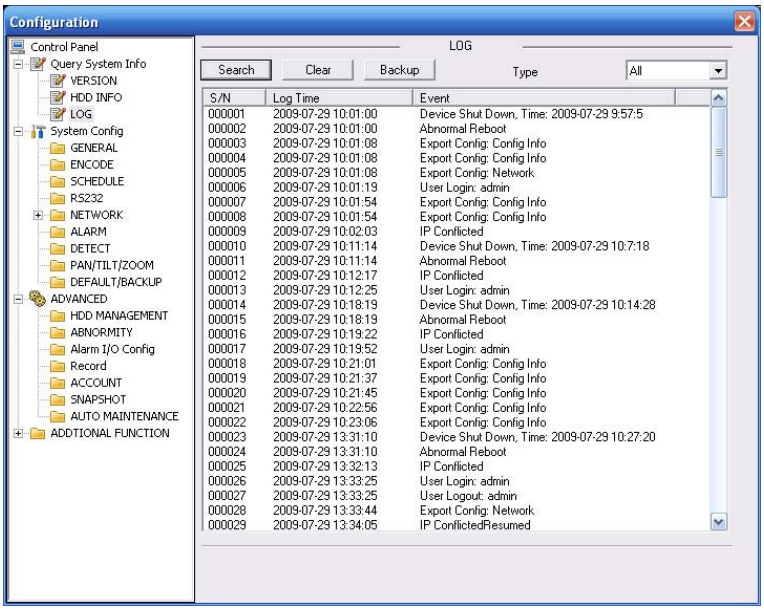
9.1.2 HDD information

View local storage status and network status including free capacity and total capacity.



9.1.3 Log

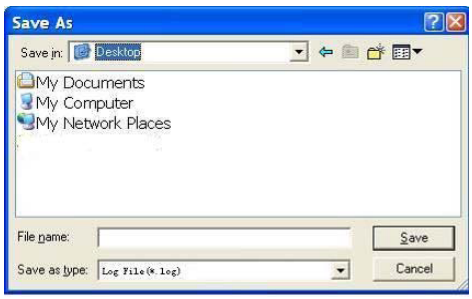
View system log.



Refer to the following sheet for log parameter information.

Parameter	Function
Type	Log types include: system operation, configuration operation, data management, alarm event, record operation, user management, log clear and file operation.
Search	Select log type from the drop down list and then click search button to view the list.
Clear	Click this button to delete all displayed log files. System does not support clear by type.
Backup	Click this button to backup log files.

To export logs, click backup button, the following interface appears:

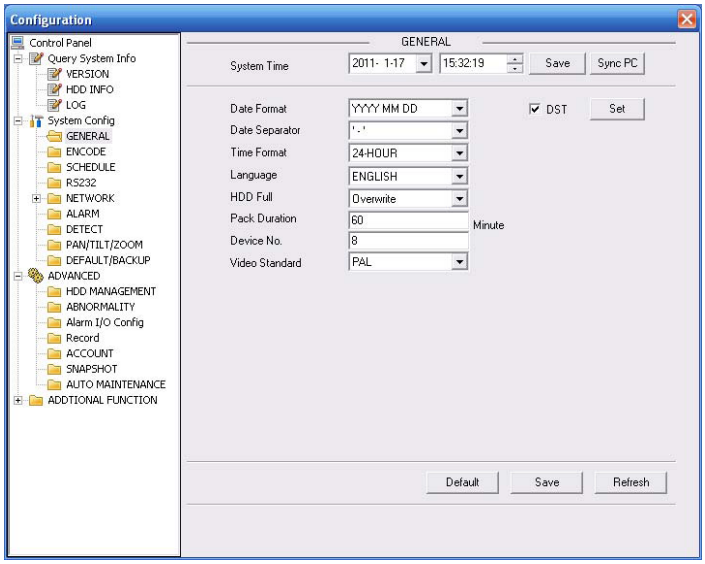


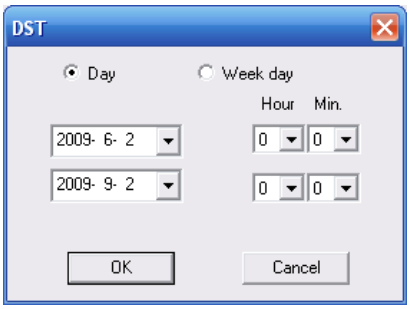
9.2 System Configuration

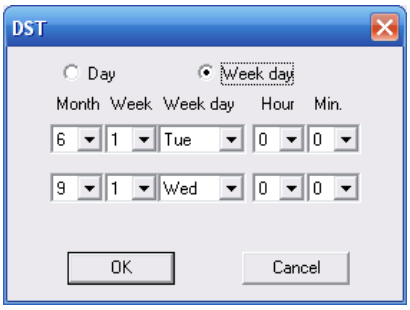
Please click save button to save your setup before exiting each section.

9.2.1 General Setup

Set system time, record length, video format, etc.



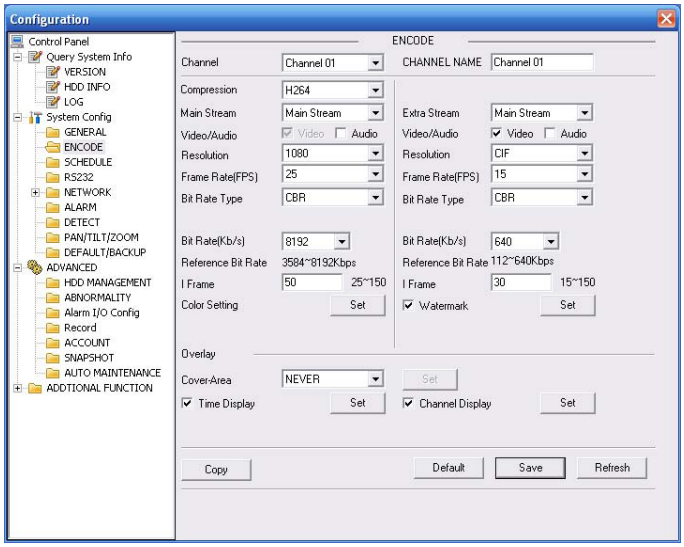


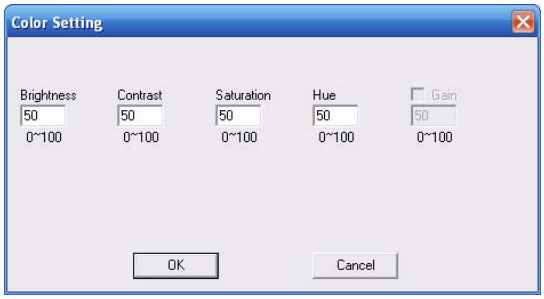


Refer to the following sheet for detailed information.

Parameter	Function
System Time	Modify system time. Click "Save" button after your completed modification
Sync PC	Click this button to save the system time as your PC current time
Data Format	Select data format from the dropdown list.
Data Separator	Select separator such as – or /.
Time Format	Two options: 24-H and 12-H.
DST	Set day night save time begin time and end time.
Language	Select the language from the dropdown list. Device needs to reboot to get the modification activated.
HDD Full	Two options: stop recording or overwrite the previous files when HDD is full.
Pack Duration	Select recorded file size.
Device No	When you are using one remote control to manage multiple devices, you can give a serial numbers to the devices. This device does not support this function.
Video Standard	Display video standard such as PAL.

9.2.2 Encode

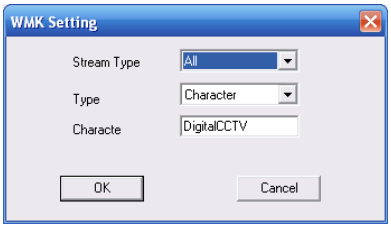




Refer to the following sheet for detailed information.

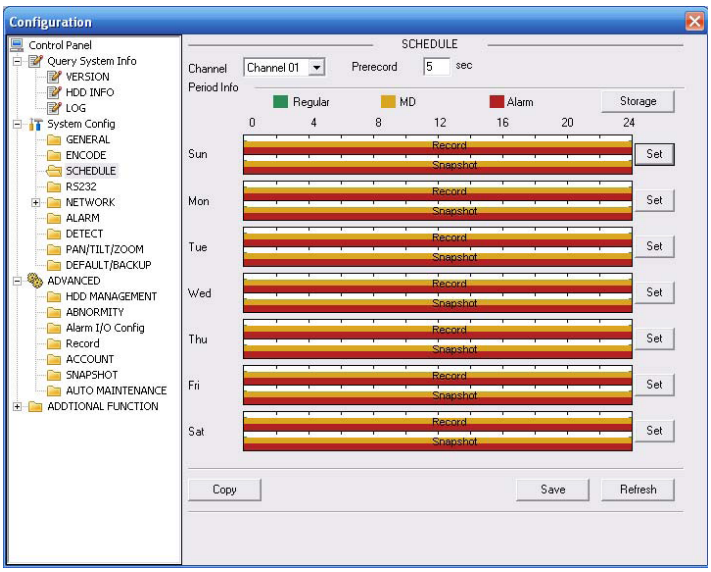
Parameter	Function
Channel	Select a monitor channel.
Channel Name	Display current channel name. You can modify it .
Compression	H.264
Main Stream	It includes general stream, motion stream and alarm stream. Select different encode frame rates form different recorded events. For example, use high frame rate to record important events, record scheduled event in lower frame rate and set different frame rates for motion detection record and alarm record.
Extra Stream	Select extra stream to enable the extension stream to monitor.
Audio/Video	**Main stream:** Recorded file only contains video by default. Check the audio box here to enable audio function. **Extra stream:** Recorded file only contains video by default. Check the audio box here to enable audio function.
Resolution	There are multiple resolutions. Select from the dropdown list. For each resolution, the recommended bit stream value is different.
Frame Rate	The frame rate may vary due to different resolutions. When the resolution type is 3M, 1-15f/s. For other resolutions 1-25f/s.
Bit Rate Type	There are two options: VBR and CBR.
Quality	The value ranges from 1 to 6. The level 6 is the best video quality. This setting is available only with VBR bit rate
Bit Rate	In CBR, the bit rate here is the max value. In dynamic video, system needs to low frame rate or video quality to guarantee the value. The value is null in VBR mode. Refer to recommend bit rate for the detailed information. .
Recommended Bit	Recommended bit rate value according to the resolution and frame rate set.
I Frame	Set the P frame amount between two I frames. The value ranges from 1 to 150. Default value is 50. Recommended value is frame rate *2.
Color Setting	Set video brightness, contrast, hue, saturation and gain. The value ranges from 0 to 100.
Watermark	Select watermark bit stream, watermark mode and watermark character. Default character is Digital CCTV.
Cover area (privacy mask)	Set privacy masks. System max supports 8 privacy mask zones.
Time Title	Enable this function to overlay time information in video window. OSD transparent value ranges from 0 to 255. 0 means complete transparent. Use the mouse to drag the time tile position.
Channel Title	You can enable this function to overlay channel information in video window. OSD transparent value ranges from 0 to 255. 0 means complete transparent. Use the mouse to drag the channel tile position.
Save	Click save button after complete setup for one item, or complete the whole setups and then click save button.
Refresh	Click this button to get device latest configuration information.

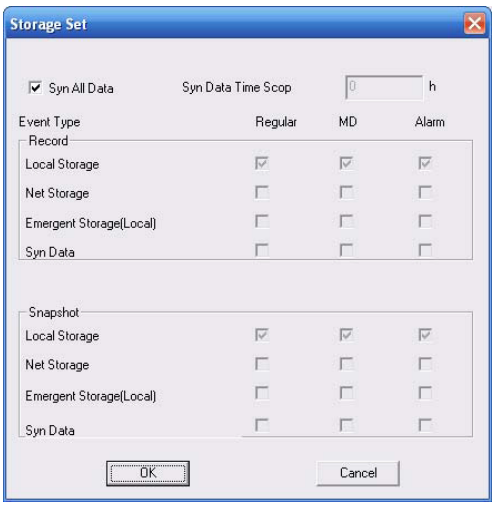
Click watermark button to open interface as below:

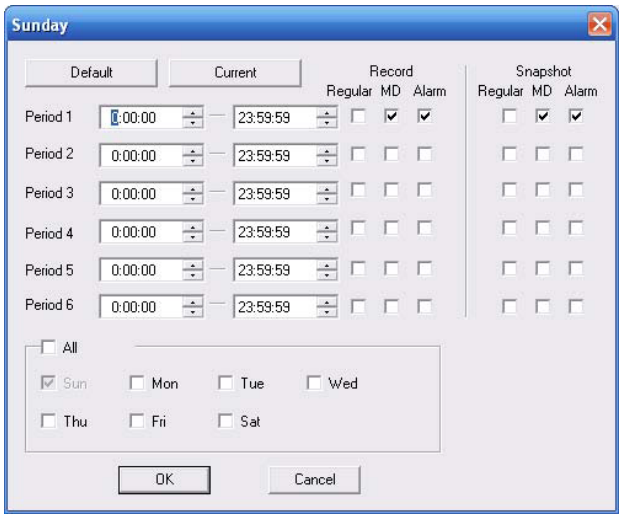


9.2.3 Schedule

Set differents periods for various days. There are max six periods in one day.





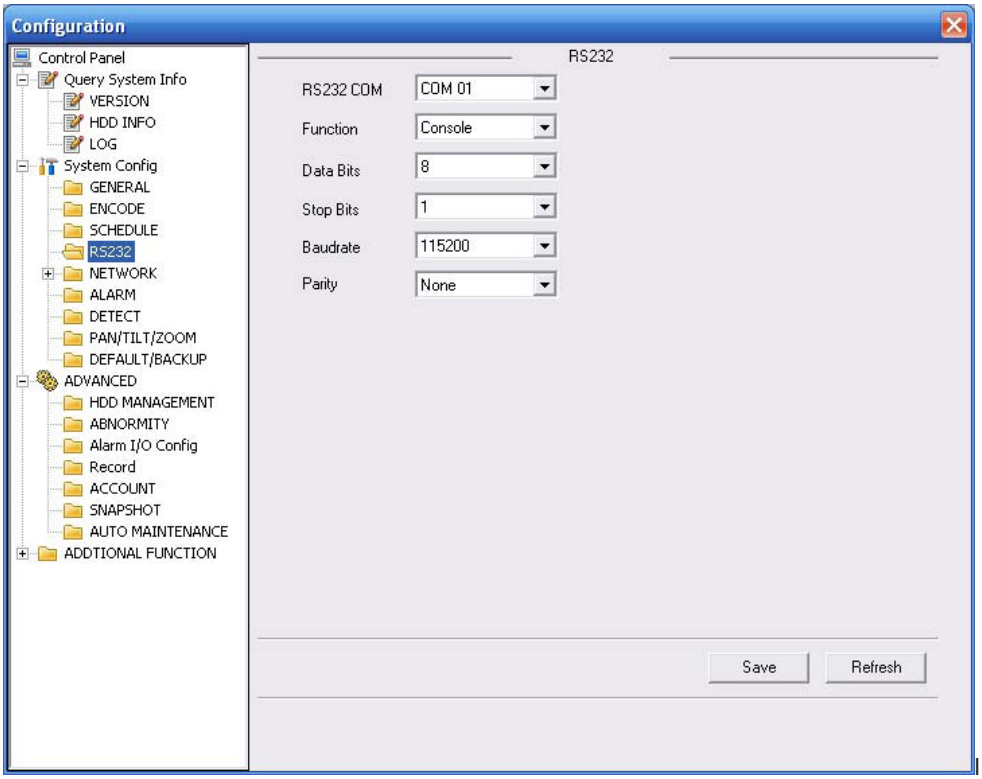


Refer to the following sheet for detailed information.

Parameter	Function
Channel	Select a channel first.
Pre-record	Input pre-record value here. System can record the three to five seconds video before activating the record operation into the file. (Depends on data size).
Storage	System support record/snapshot file local storage mode only.
Setup	• Click set button, to go to the corresponding setup interface. • Set schedule period and select corresponding record or snapshot type: motion detection/snapshot, and alarm/snapshot. System does not support schedule/snapshot function, • Select date (Current setup applies to current day by default. Select all to apply the setup to the whole week.) • After complete setup, go back and click save to save current time period setup.
Save	Click save button after complete setup for one channel, or complete the whole setup and click save button.
Refresh	Click this button to get device latest configuration information.

Note : System does not support regular recording on SD card.

9.2.4 RS232

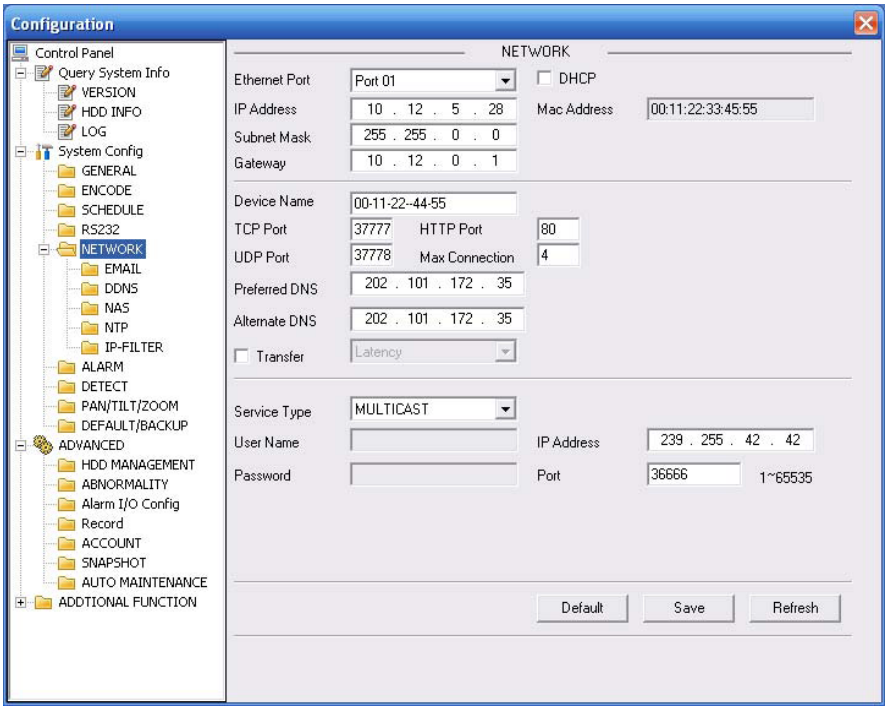


Refer to the following sheet for detailed information

Parameter	Function
RS232	There is only one option COM 01, corresponding to RS232
Function	Console is for debug.
	Control keyboard: Switch between RS232 and control keyboard.
	Network keyboard: COM control protocol. You can use network keyboard to control IPC via COM.
	Transparent COM: Network user can communicate with RS232 COM device.
	Alarm box: not used.
	COM_GPS: not used.
	COM_RADAR: not used.
Data Bit	The value ranges from 5 to 8.
Stop Bit	There are two options: 1/2.
Baud Bit	You can select corresponding baud bit here.
Parity	There are five options: none/odd /even/mark/space.

9.2.5 Network

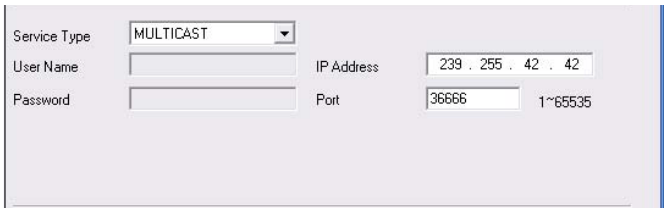
Network interface



Refer to the following sheet for detailed information

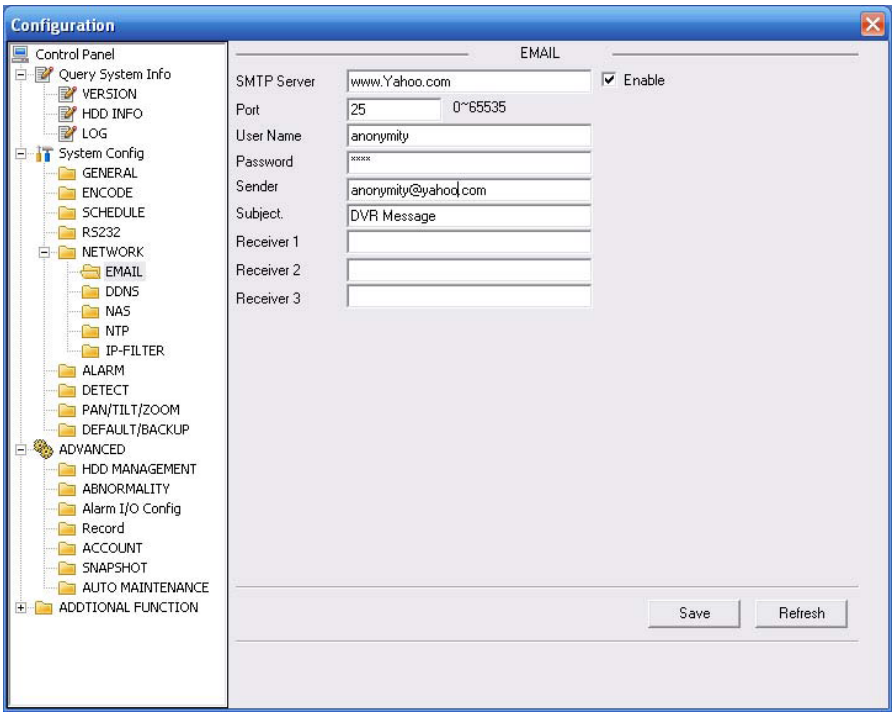
Parameter	Function
Ethernet	Select the network card first. Port 1 is the ethernet port. Port 2 is the wireless port (if available).
DHCP	Dynamically get IP address. Get the device IP adress from the server if this function is enabled.
Device Name	Device ID in the network.
TCP Port	Default value is 37777.
HTTP Port	Default value is 80.
UDP Port	Default value is 37778.
DNS	Manually set IP address of DNS. You need to enable this function if you are inputting the domain name in some items. Otherwise the system can not parse the domain name.
Alternative DNS	
Max Connection	Simultaneously, network users max amount. The value ranges from 1 to 10.
Network transmission QoS	Set the priority between fluency and video quality or self-adaptive. System can automatically adjust the bit stream or lower the resolution according to the network bandwidth.

Advance interface



Parameter		Function
Remote Host	Multiple cast group	- Set MULTICAST address and port. - Enable function. - Current series IPC does not support this function right now.
	PPPOE	- Input the PPPoE user name and password you get from the IPS (internet service provider) and enable PPPoE function. Save current setup and reboot the device to get the setup activated. - Device connects to the internet via PPPoE after reboot. Get the IP address in the WAN from the IP address column.

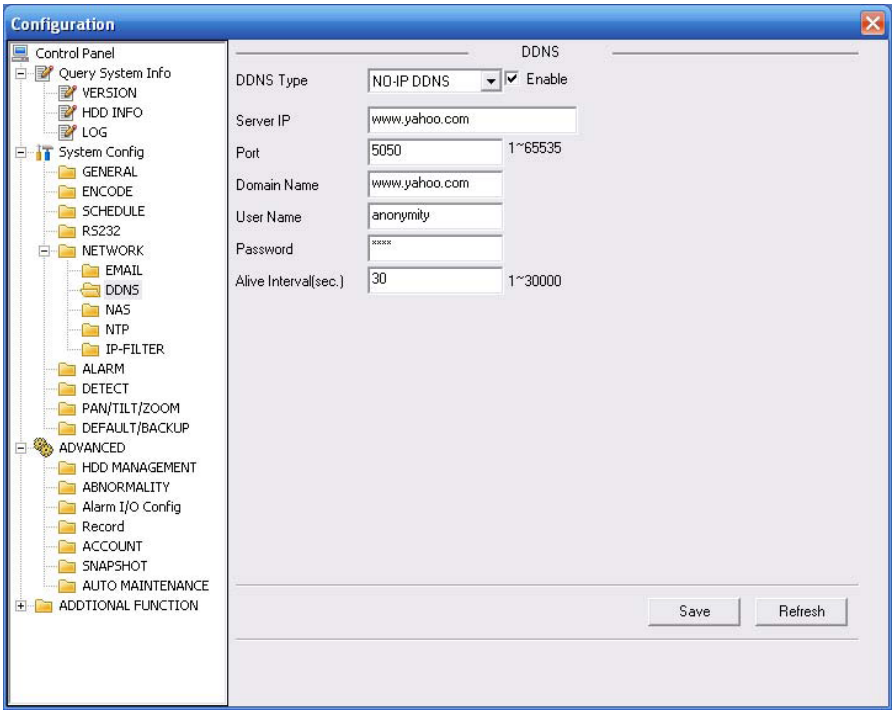
Email Interface



Please refer to the following sheet for detailed information.

Parameter	Function
SMTP Server	Input server address and then enable this function.
Port	Default value is 25. Modify it if necessary.
User Name	Sender email account user name.
Password	Sender email account password.
Sender	Sender email address.
Subject	Input email subject here.
Address	Input receiver email address here. Max three addresses.

DDNS interface



Refer to the Annex 1 for NO-IP DDNS setup information.
Refer to the following sheet for detailed information.

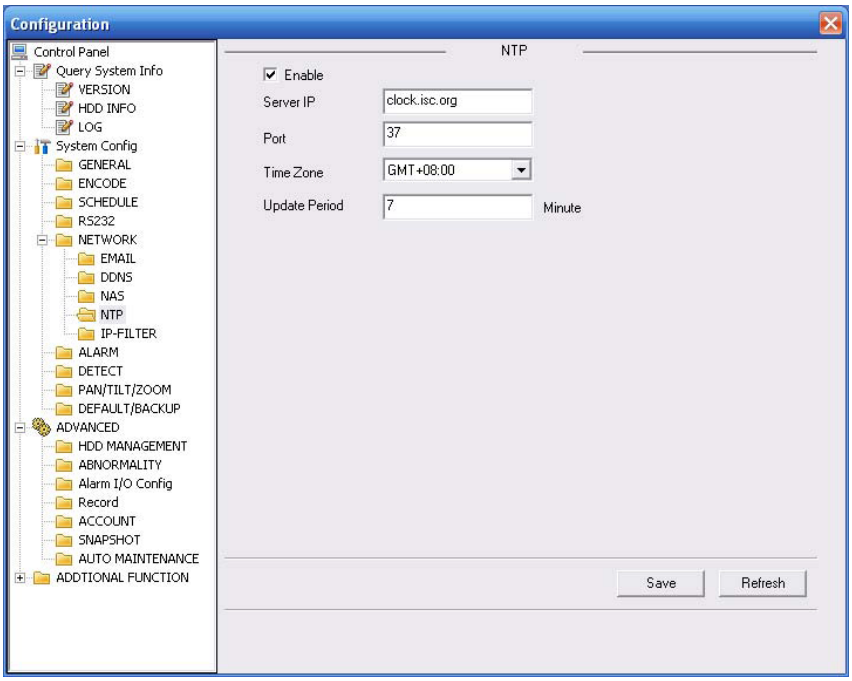
Parameter	Function
Server Type	Select DDNS protocol from the dropdown list and then enable DDNS function. The private DDNS protocol means you use your self-defined private protocol to realize DDNS function.
Server IP	DDNS server IP address.
Server Port	DDNS server port.
Domain Name	Self-defined domain name.
User	User name you input to log in the server.
Password	Password you input to log in the server.
Interval	Device sends out alive signal to the server regularly. Set interval value between the device and DDNS server here.

NAS interface

This device does not support this function.

NTP interface

Realize network time synchronization. Enable current function and input server IP, port number, time zone and time.

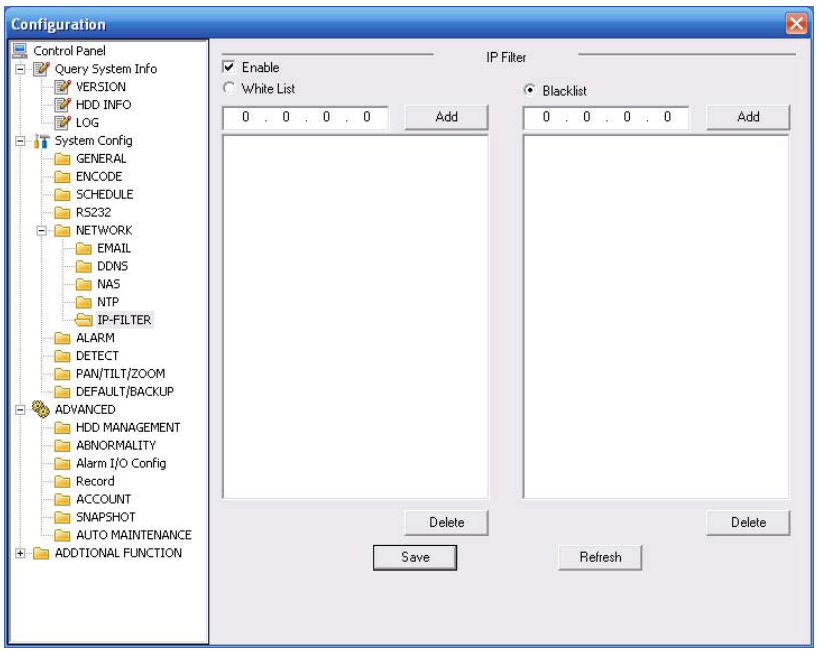


Refer to the following sheet for detail information.

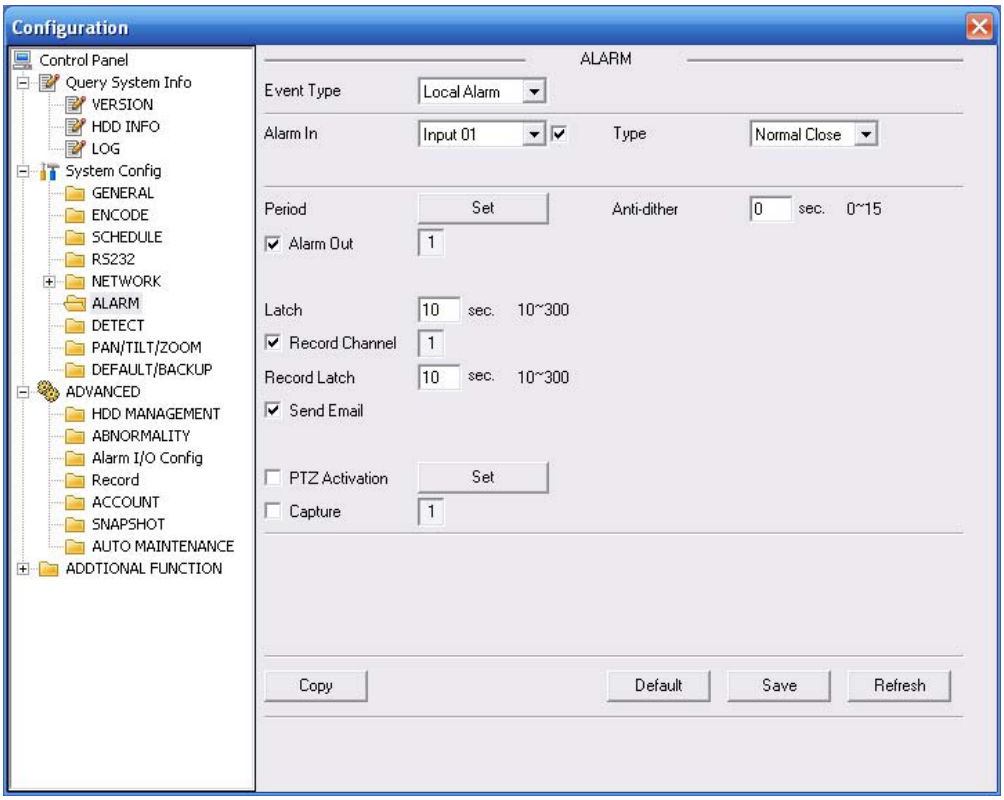
Parameter	Function
Enable	Enable NTP function or not.
Server IP	Server IP address
Port	Server port.
Time Zone	Device current time zone.
Update Interval	Time update interval value.

IP Filter interface

Enable IP filter function so that some specified IP user can or not access the device.
You can not set white list and black list function at the same time.

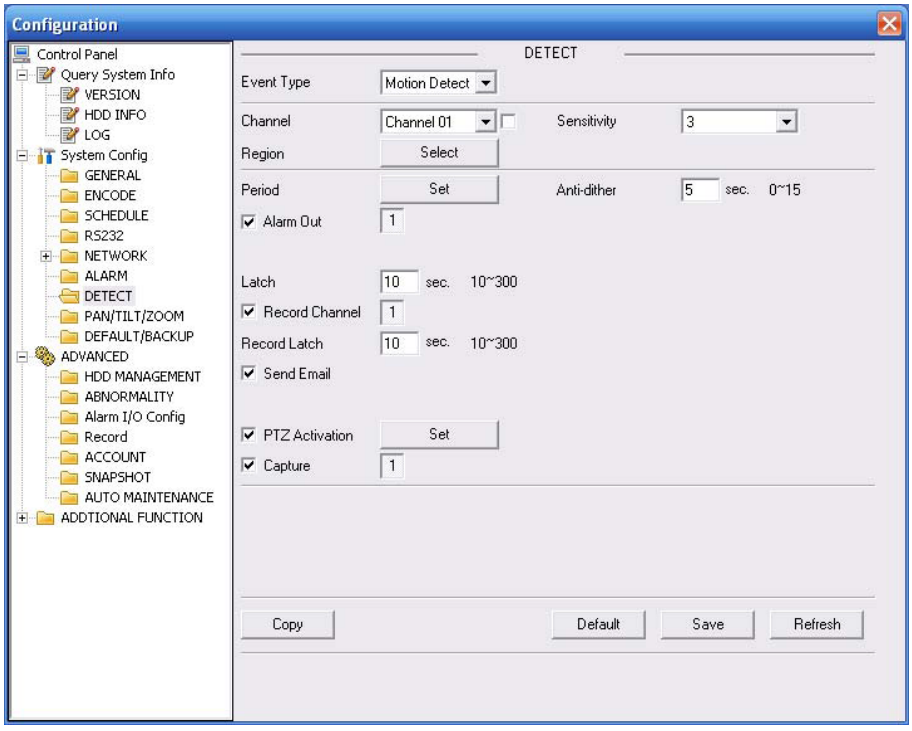


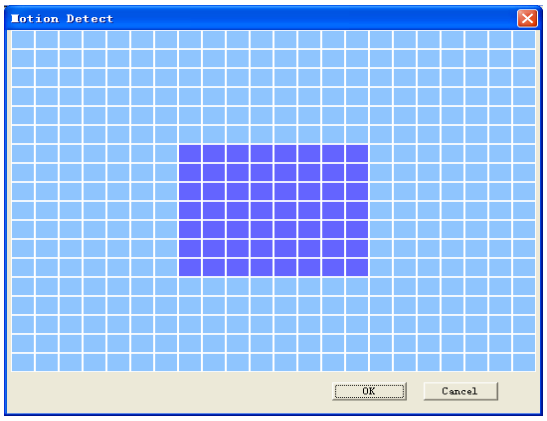
9.2.6 Alarm


Configuration
Control Panel
Query System Info
VERSION
HDD INFO
LOG
System Config
GENERAL
ENCODE
SCHEDULE
RS232
NETWORK
ALARM
DETECT
PAN/TILT/ZOOM
DEFAULT/BACKUP
ADVANCED
HDD MANAGEMENT
ABNORMALITY
Alarm I/O Config
Record
ACCOUNT
SNAPSHOT
AUTO MAINTENANCE
ADDTIONAL FUNCTION
ALARM
Event Type
Local Alarm
Alarm In
Input 01
Type
Normal Close
Period
Set
Anti-dither
0
sec.
0~15
Alarm Out
1
Latch
10
sec.
10~300
Record Channel
1
Record Latch
10
sec.
10~300
Send Email
PTZ Activation
Set
Capture
1
Copy
Default
Save
Refresh

Parameter	Function
Event Type	It includes local alarm/network alarm. - Local alarm: Device detects alarm from input port. - Network: Device detects alarm from network.
Alarm in	Select corresponding alarm channel.
Enable	Check to enable the alarm function.
Type	There are two options: normal open and normal close. NO becomes activated in low voltage, NC becomes activated in high voltage..
Period	- Alarm record function becomes activated in the specified periods. - There are six periods in one day. Enable corresponding period. - Select date or whole week. - Click OK button, system goes back to alarm setup interface, please click save button to exit.
Anti-dither	System only memoryze one alarm during the period set here (0 to 600 s)
Normal Out	Select alarm output port so that system can activate corresponding alarm device when alarm occurs.
Alarm Latch	System delay the alarm output for specified time after alarm end (from 10 seconds to 300 seconds).
Record Channel	System auto activates current channel to record once alarm occurs (working with alarm activation function). Note current device shall be in auto record mode (Chapter 9.2.3 Schedule).
Record Latch	System can delay the record for specified time after alarm ended. The value ranges from 10s to 300s.
Email	Check to enable email function. System can send email when alarm occurs and ends.
Tour	This function is not available in current device.
PTZ activation	The system can go to a preset when alarme occurs (only for IP speed dome).
Capture	Input capture channel number so that system can backusnapshot file to the SD card or send to the specified email box when alarm occurs.
Copy	It is a shortcut menu button. You can copy current channel setup to one or more (all) channels.
Save	You can click save button after you complete setup for one channel, or you can complete the whole setups and then click save button.
Refresh	Click this button to get device latest configuration information.

9.2.7 Detect





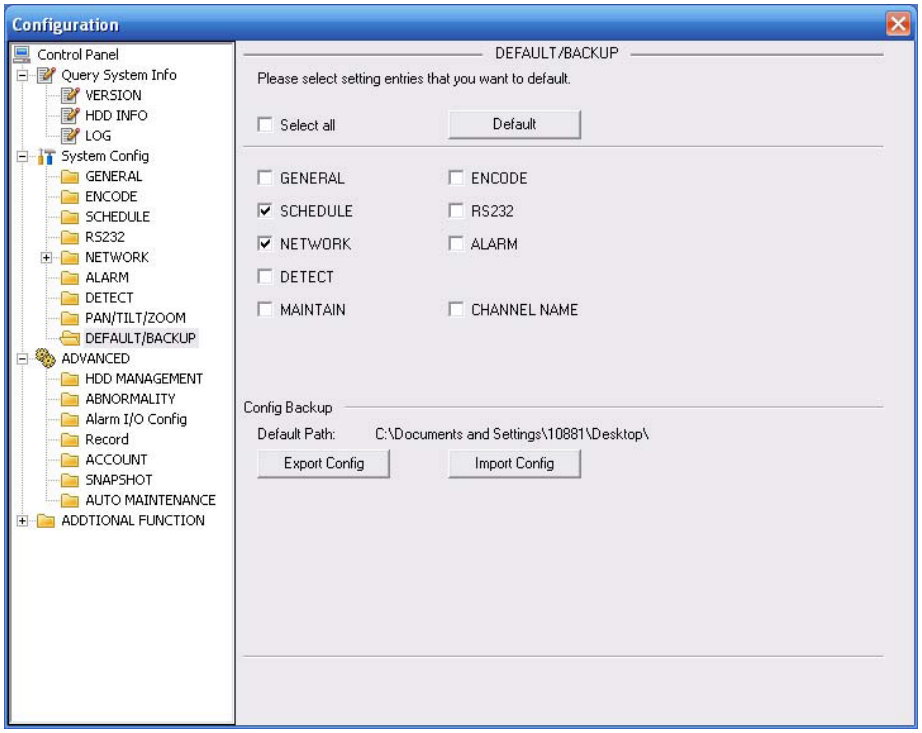
The dark blue squares correspond to a zone with active detection.

Refer to the following sheet for detailed information.

Parameter	Function
Event Type	There are three types: Motion detection/Video loss/Camera Masking.
Channel	Select channel name from the dropdown list.
Enable	Check to enable motion detection function.
Sensitivity	There are six levels. The level 6 has the highest sensitivity.
Region	- Region: after you select motion detection type, click this button to set motion detection zone. There are PAL 22X18/NTSC 22X15 zones. Double right click mouse you can go to full-screen display mode. Remember clicking OK button to save your motion detection zone setup.
Period	- Motion detection function becomes activated in the specified periods. - There are six periods in one day. Enable corresponding period. - Select date or whole week. - Click OK button, system goes back to motion detection interface. Click save button to exit.
Anti-dither	System only memorizes one event during the anti-dither period. The value ranges from 0s to 15s..
Normal out	- There is 1-channel alarm output. - Corresponding to motion detection alarm output port. - Enable alarm activation function. You need to select alarm output port so that system can activate corresponding alarm device when alarm occurs..
Alarm Latch	System can delay the alarm output for specified time after alarm end. The value ranges from 10 seconds to 300 seconds.
Record Channel	System auto activates motion detection channel to record once alarm occurs (works with motion detection function). Note you need to go to chapter 9.2.3 Schedule to set motion detection record period and go to chapter 9.3.3 Record to set current period as auto record.
Record Latch	System can delay the record for specified time after alarm ended. The value ranges from 10 seconds to 300 seconds..
Email	Send email when alarm occurs and ends.
PTZ activation	Set PTZ movement when alarm occurs. Such as go to preset x when there is an alarm.
Capture	Input capture channel number so that system can backup motion detection snapshot file.
Save	Click save button after complete setup for one channel, or complete the whole setups and click save button.
Refresh	Click this button to get device latest configuration information.

9.2.8 Default & Backup

Default: Restore factory default setup. Select corresponding items.
Backup: Export current configuration to local PC or import configuration from current PC.
System can't restore some information such as network IP address.



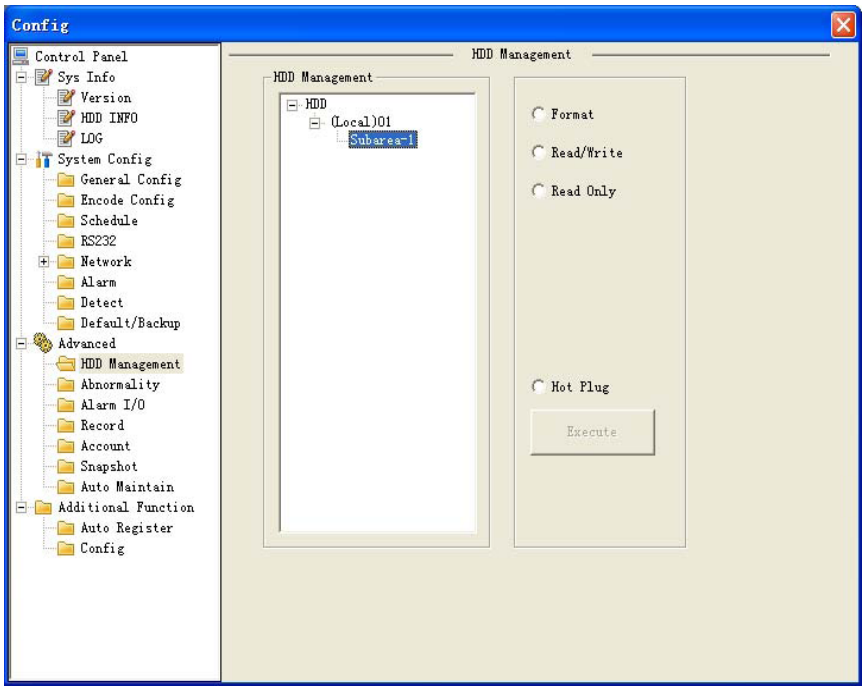
Refer to the following sheet for detailed information.

Parameter	Function
Select All	Restore factory default setup.
Export Configuration	Export system configuration to local PC.
Import Configuration	Import configuration from PC to the system.

9.3 Advanced

9.3.1 HDD Management

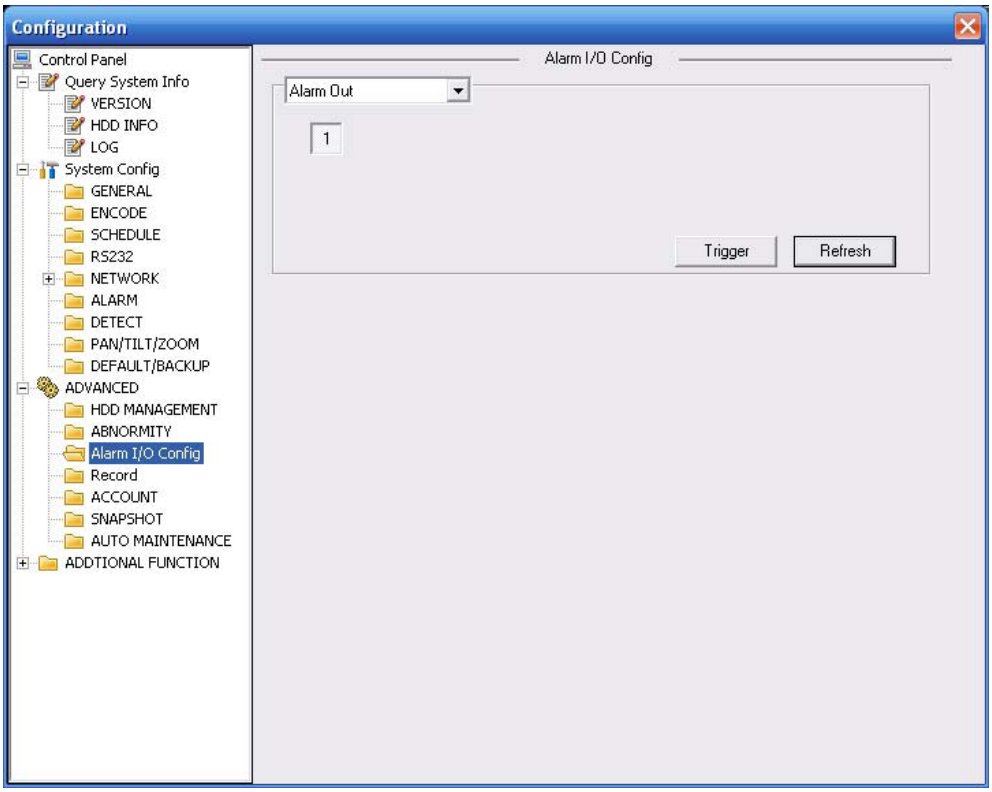
HDD management includes net storage management and local storage management.
Select the storage device first and then the items on your right become valid.
Check the corresponding item here.
Click the Execute the button; system needs to reboot to activate current setup.



Refer to the following sheet for detailed information.

Parameter	Function
Format	Clear data in the disk
Read/write	Set current disk as read/write
Read only	Set current disk as read.
Hot swap	This function allows to hot swap the disk when the device is working. This function will not result in disk malfunction.
Execute	Click this button to save disk current status.

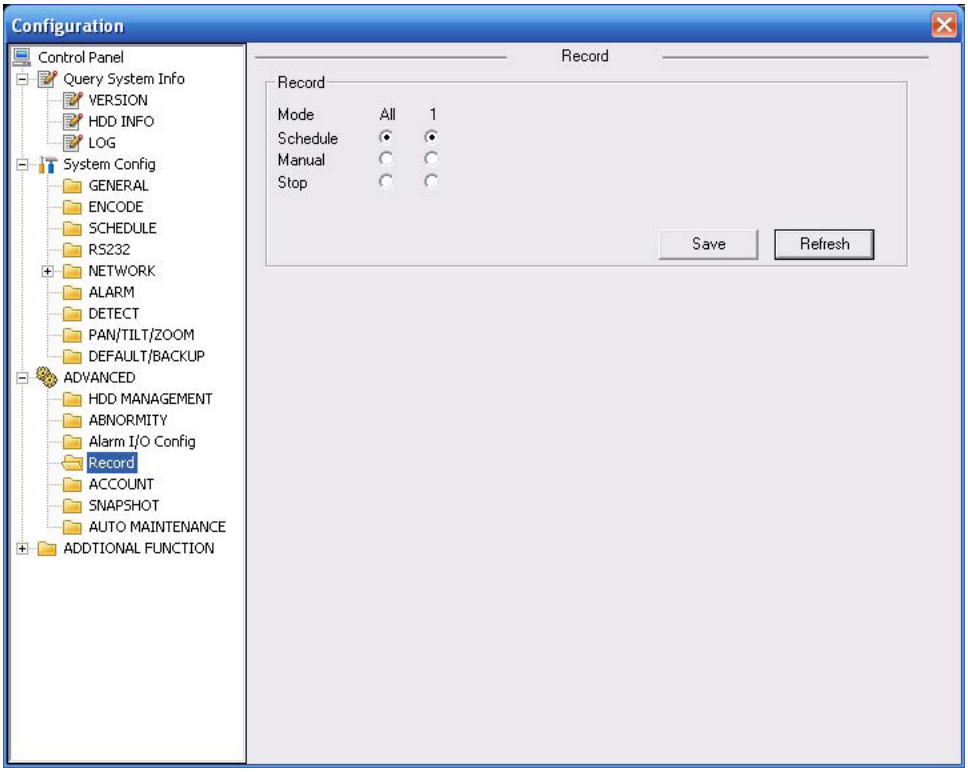
9.3.2 Alarm I/O



Refer to the following sheet for detailed information.

Parameter	Function
Alarm output	There is only one output channel. Please click the button 1.
Trigger	Enable/disable alarm output device.
Refresh	Search alarm output status.

9.3.3 Record

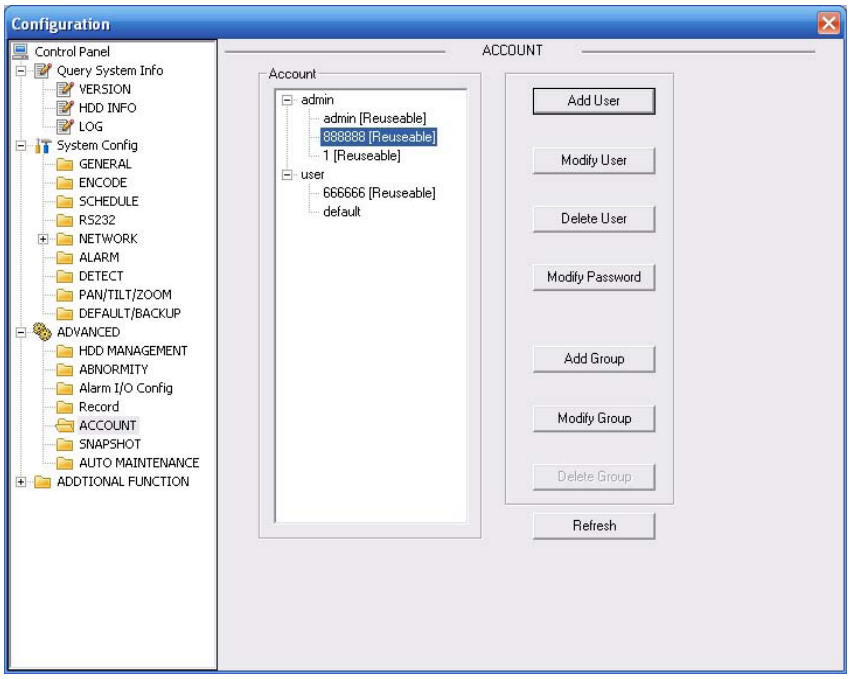


Refer to the following sheet for detailed information.

Parameter	Function
Auto	System enables auto record function as set in record schedule setup.
Manual	Not available.
Stop	Stop current channel record, no matter what period applied in the record schedule setup.

9.3.4 Account

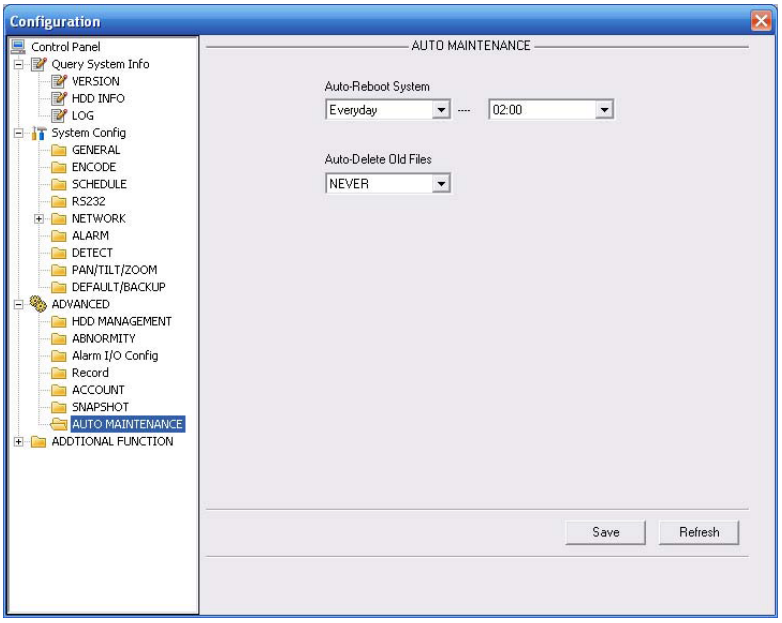
Add, remove user or modify password.



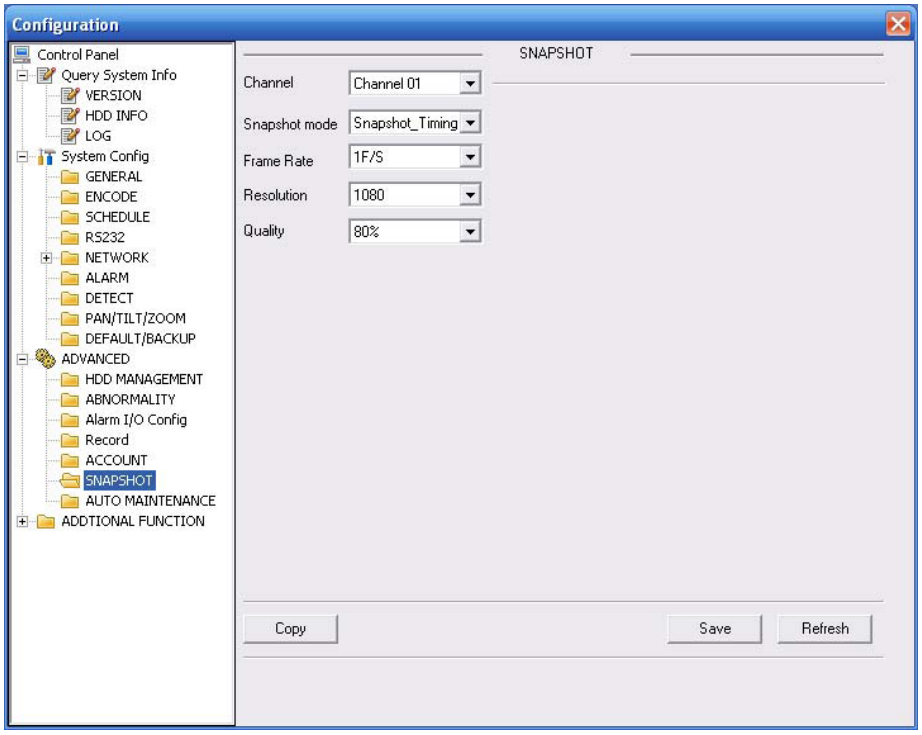
Note : Reusable means that the account can be use for different login at the same time.

9.3.5 Auto Maintenance

Select auto reboot and auto delete old files interval.



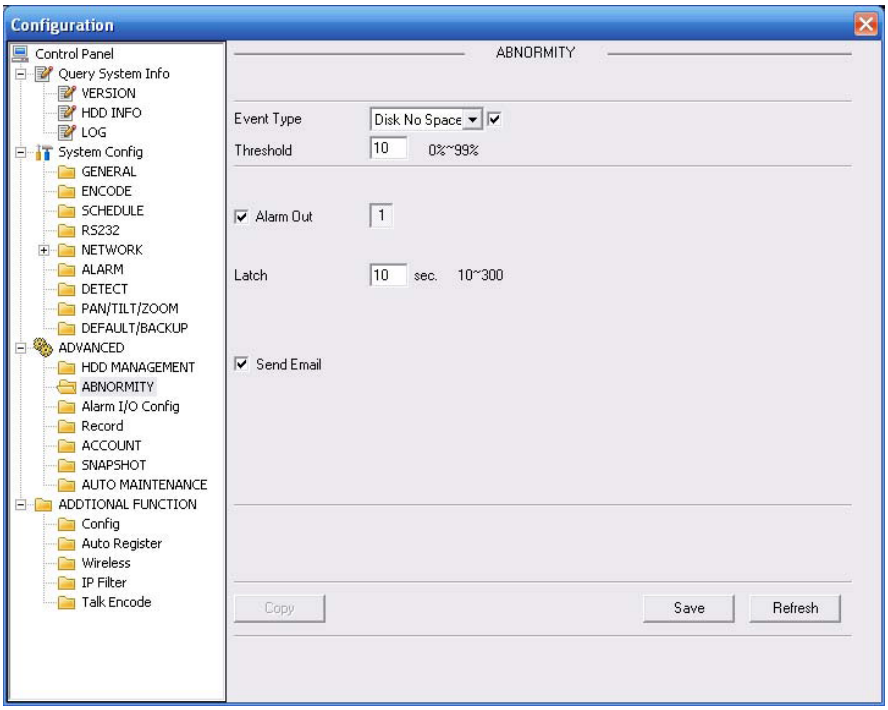
9.3.6 Snapshot



Refer to the following sheet for detailed information.

Parameter	Function
Channel	Monitor channel.
Snapshot mode	Two modes: Timing and activation.
Frame rate	Select from the dropdown list. The value ranges from 1f/s to 8f/s.
Resolution	Select from the dropdown list. The resolution may vary due to different series.
Quality	Select from the dropdown list. Here is for you to set video quality.

9.3.7 Abnormity



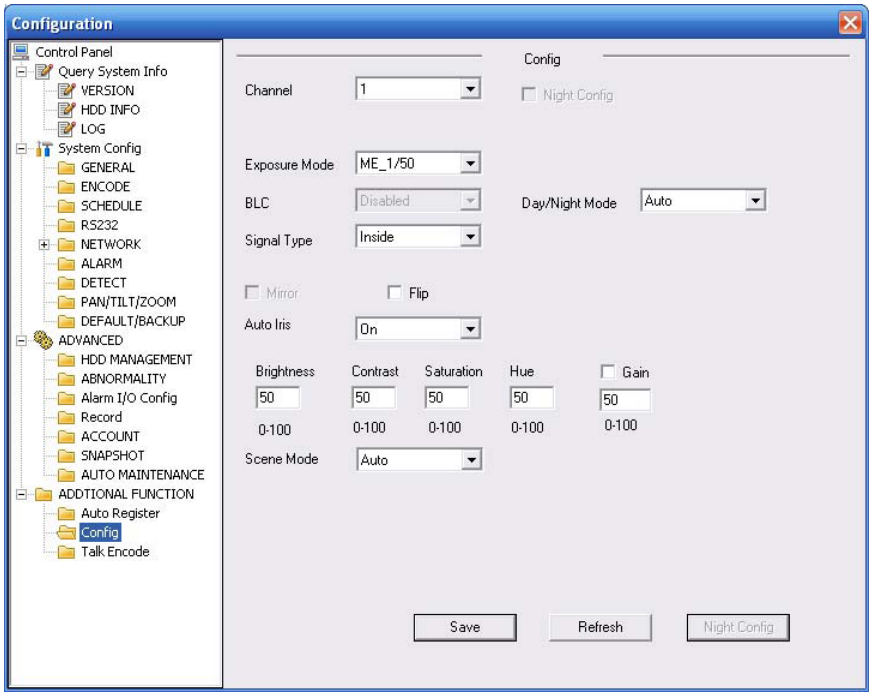
Refer to the following sheet for detailed information.

Parameter	Function
Event Type	- The abnormal events include: no disk, no space, disk error, net error, offline, IP conflict. - XXXX Space Alarm: Set the minimum percentage value here. The device can alarm when capacity is not sufficient. - Check enable this function.
Normal Out	Corresponding alarm output channel when alarm occurs, there is one channel.
Record channel	System auto activates channel to record once alarm occurs (for offline type only). Please note you need to go to chapter 9.3.3 record to set current period as auto record.
Latch	The alarm output can delay for the specified time after alarm stops. The value ranges from 10s to 300s
Send email	System send email to alarm the specified user. This function is invalid when network is offline or IP conflict occurs.

9.4 Additional Function

9.4.1 Configure

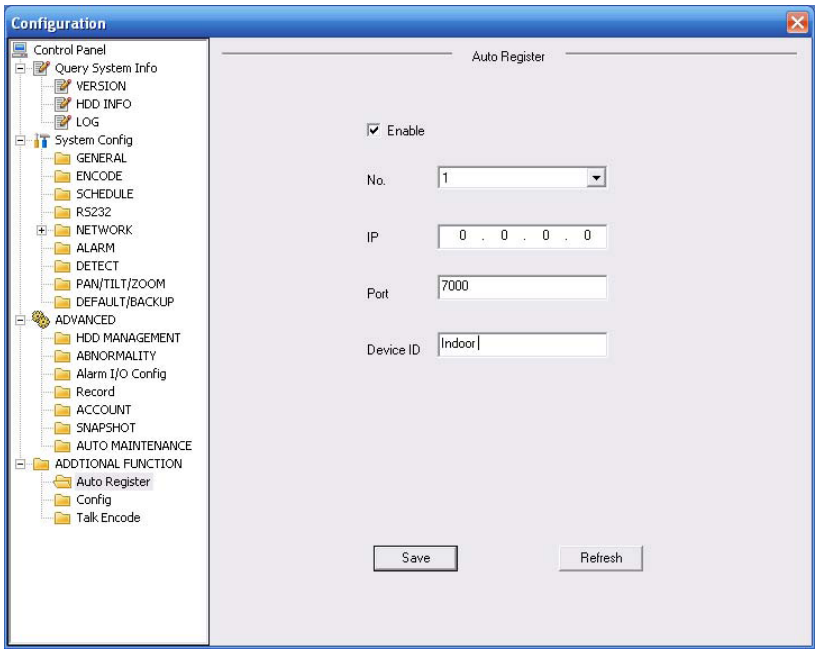
Set camera property parameter. The following interface may vary regarding different devices.



Refer to the following sheet for detailed information.

Parameter	Function
Channel	Monitor channel 1
Exposure Mode	There are two modes: Auto exposure (AE) and Manual exposure (ME). There are some ME time ranges from 1/50 to 1/10000. It supports customized setup too (may be different depending of the device).
Day/Night Mode	IPC day night mode switch. There are three options: color-off/color-on/auto (may be different depending of the device).
Signal Standard	Video input mode: internal input.
Flip	It is to switch video up and bottom.

9.4.2 Auto Register

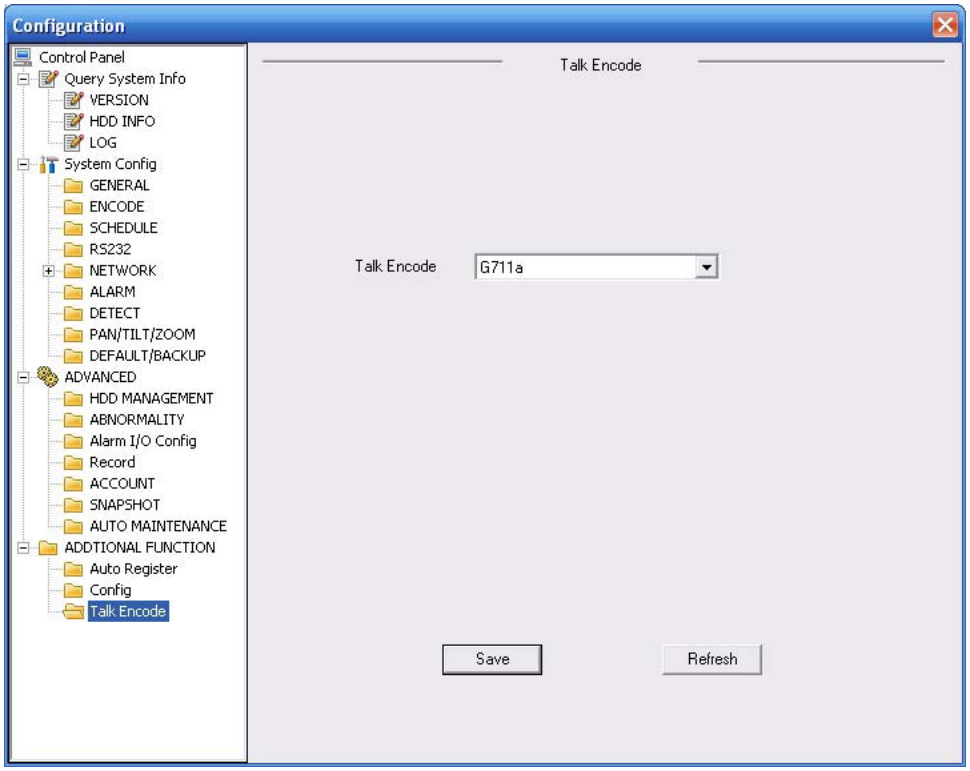


Refer to the following sheet for detailed information.

Parameter	Function
Enable	Enable auto register function.
No.	Device management server number.
IP	Device management server IP address.
Port	Server port number.
Device ID	Device ID in the device management server.

9.4.3 Talk Encode

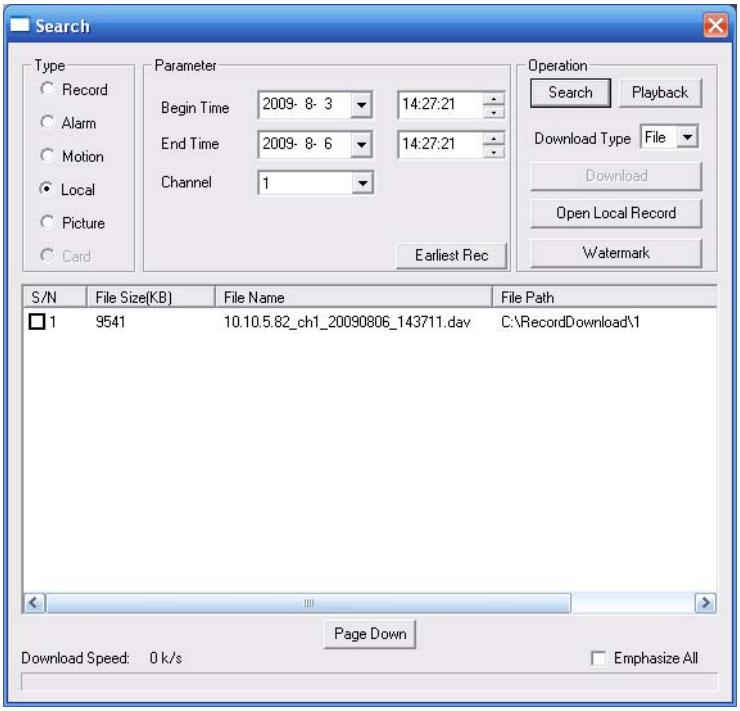
Set audio compression bit rate. It includes PCM, G711a, G711u.



10 Search

See chapter 8.3 to see how to access to the configuration menu».

Click search button, the following interface appears:`



Select record playback mode, and then select start time, end time and channel.
Click search button, the corresponding files in the list appears.

Select the file(s) to download and click download button, system pops up a dialogue box.
Specify file name and path to download the file(s) to PC.
Click Ok to complete the download procedure.

Refer to the following sheet for detailed information.

Type	Parameter	Function
Type	Record	Search general record, alarm record and motion detection record.
	Alarm	Search alarm record.
	Motion Detection	Search motion detection record.
	Local	Search local record.
	Picture	Search snapshot file.
	Card	This function is not available in current device.
Item	Start time	Set the file start time.
	End time	Set the file end time.
	Channel	Select the channel from the dropdown list.
Operation	Search	Click this button you can view the recorded file matched your requirements.
	Playback	Select the file first and then click playback button to view the video.

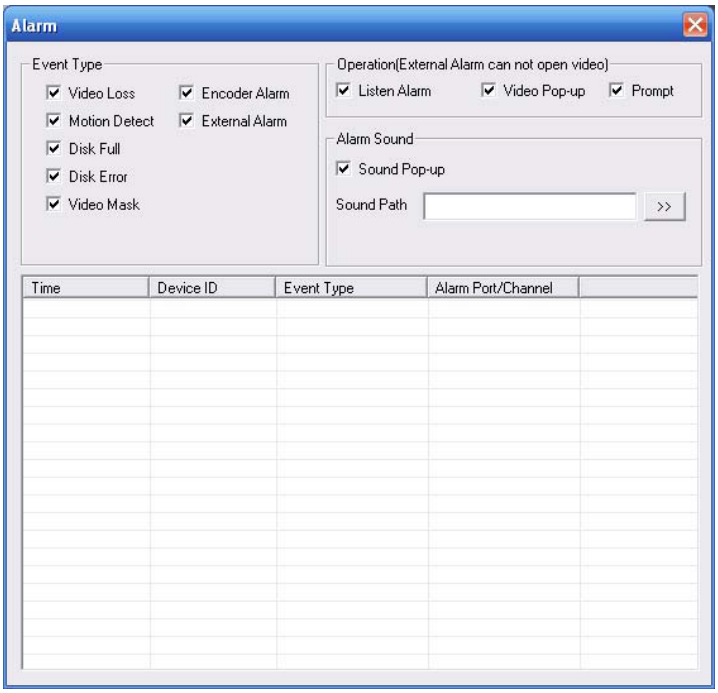
Type	Parameter	Function
	Download type	Download by file: Select the file(s) and then click download button. Download by time: Download the recorded file(s) during specified period.
	Download	Select the file needed (multiple choices) and click download button, system pops up a dialogue box. Input the downloaded file name, specify the path and then click OK button. System begins download and the download button becomes stop button. There is a progress bar.
	Open local record	Select local record to play.
	Watermark	Note : Go to chapter 9.2.2 Encode to enable watermark function first. Click watermark button, system pops up a dialogue box. Default watermark character is Digital CCTV. Click local file you can select the recorded file. Then click verify button to check file is original or not.
Multiple-channel playback		System supports playback one file in several monitor channels.

During the playback process, there are control buttons such as play, pause, stop. slow play and fast play in the play process bar.

11 Alarm

See chapter 8.3 to see how to access to the configuration menu».

Click alarm function, the folowing interface appears.
Set device alarm type and alarm sound setup. .



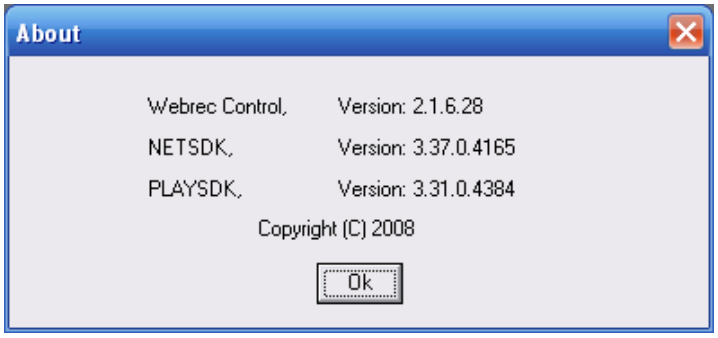
Refer to the following sheet for detailed information.

Type	Parameter	Function
Alarm Type	Video loss	System alarms when video loss occurs.
	Motion Detection	System alarms when motion detection alarm occurs,
	Disk full	System alarms when disk is full.
	Disk error	System alarms when disk error occurs.
	Camera masking	System alarms when camera is deliberately masking.
	Encode alarm	System alarms when encode module alarms.
	External alarm	Alarm input device sends out alarm.
Operation	Listening alarm	Check to activate live alarm notification.
	Video	Check to activate pop up video when alarm occurs (listening alarm loss to be activated (listening alarm has be activated).
	Prompt	Automatically pops up alarm dialogue box (listening alarm has be activated).
	Sound pop up	System sends out alarm sound when alarm occurs.
	Path	Specify alarm sound file.

12 About

See chapter 8.3 to see how to access to the configuration menu».

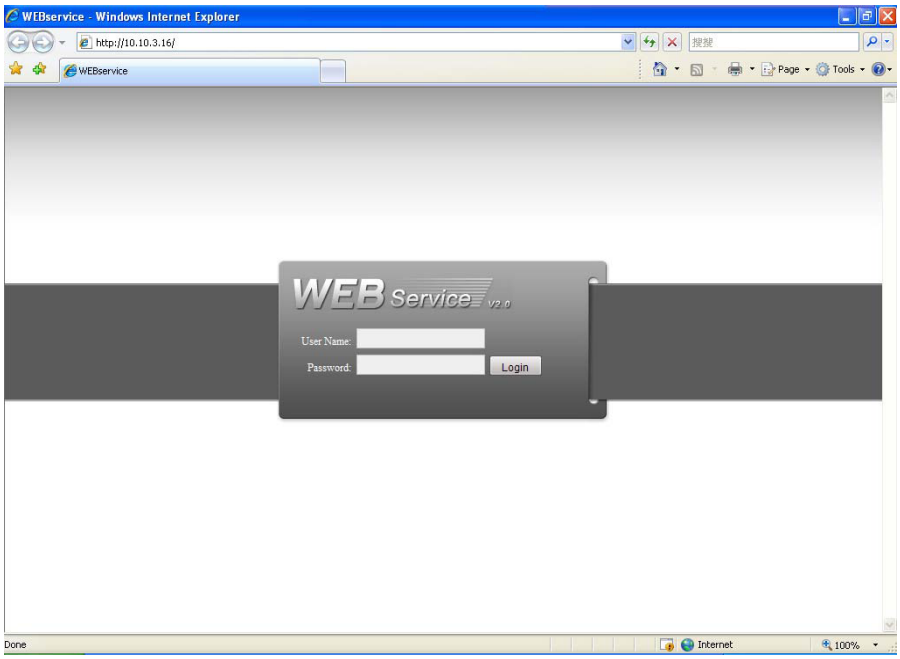
View current web client information.



13 Log out

See chapter 8.3 to see how to access to the configuration menu».

System goes back to log in interface.



Annex 1: No-IP DDNS

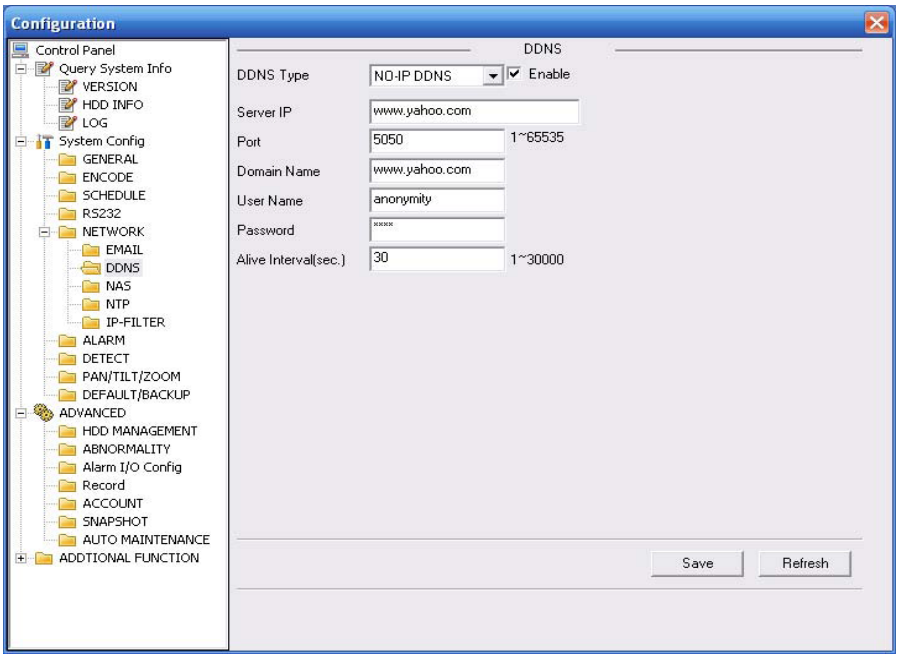
If you do not have a Static IP address on the Internet, you need to have a dynamic IP. Because your IP address changes after a certain period of time.

So you need to configure a dynamic DNS service.

After completed configuration in the device. DDNS service can constantly inform the latest device's connection IP, and modify its IP on the table of data from the server.
Then you have a constant domain name in the Web browser, along with the HTTP port, send a request to identify the car IP of the domain name typed.
The server will redirect the domain name to the IP connection, thus allowing access to the device which does not have a fixed IP in the network.

Note: It is important to note that to gain access to the device in a local network, it is necessary to redirect the port of your modem or router to your device.

Click DDNS to go to the configuration interface. You can see an interface.



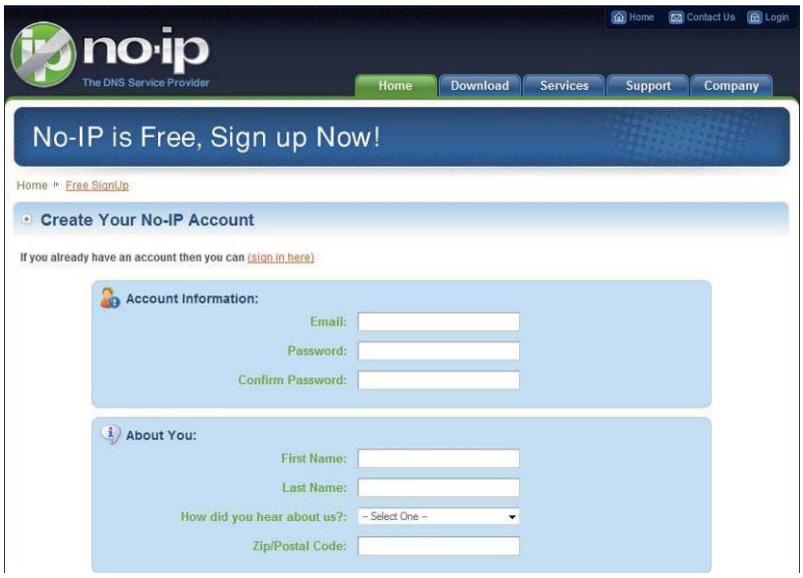
- DDNS Type: You can select from the dropdown list. There are four options: No-IP, DynDNS, CN99, Private.
- Port: input server port here.
- Domain Name: Get the domain name you get from your DDNS service provider.
- User: Get the user name you get from your DDNS service provider.
- Password: Enter corresponding password.

Highlight the icon ☐ in front of Enable to enable the DDNS server configuration.

To receive domain name in the No-IP DDNS service, please follow the steps listed below.

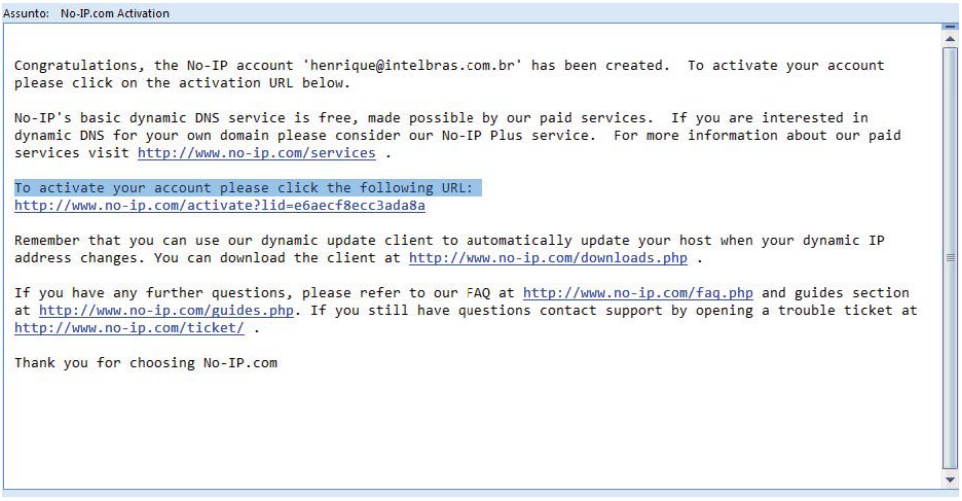
1. Please visit www.no-ip.com; the page of No-IP appears as below.

2. Left click mouse on the "Create Account" button, account Information interface



3. Fill in the requested fields and click I Accept button.
Then you can get an email containing username and password.
You can use this account to access the service.

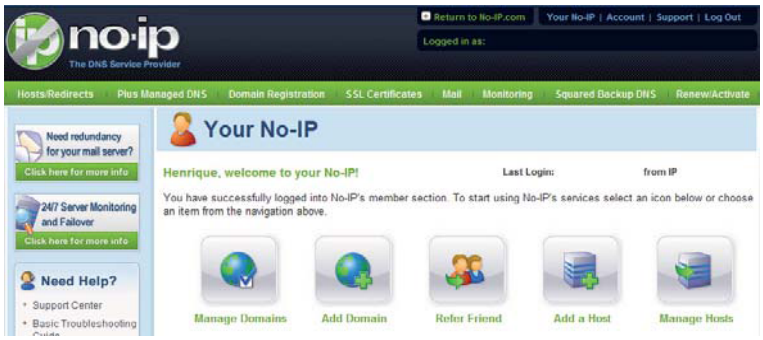
4. Open the e-mail sent by trusted rmação No-IP and double-click the link that is below the phrase "To activate your account please click the following URL:" in the body of the email.


Assunto: No-IP.com Activation
Congratulations, the No-IP account 'henrique@intelbras.com.br' has been created. To activate your account please click on the activation URL below.
No-IP's basic dynamic DNS service is free, made possible by our paid services. If you are interested in dynamic DNS for your own domain please consider our No-IP Plus service. For more information about our paid services visit http://www.no-ip.com/services .
To activate your account please click the following URL:
http://www.no-ip.com/activate?lid=e6aecf8ecc3ada8a
Remember that you can use our dynamic update client to automatically update your host when your dynamic IP address changes. You can download the client at http://www.no-ip.com/downloads.php .
If you have any further questions, please refer to our FAQ at http://www.no-ip.com/faq.php and guides section at http://www.no-ip.com/guides.php. If you still have questions contact support by opening a trouble ticket at http://www.no-ip.com/ticket/ .
Thank you for choosing No-IP.com

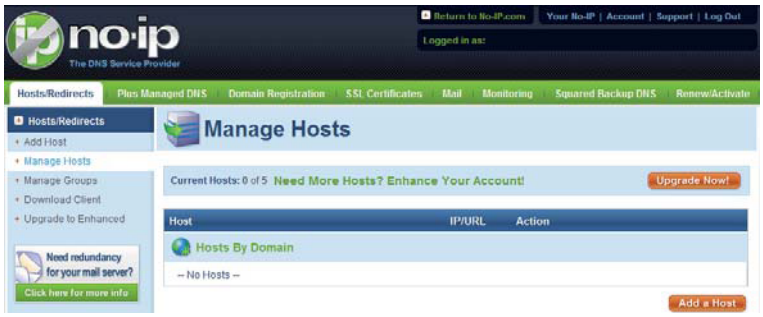
5. Now you can see an interface. You have successfully created an account.

Home
Contact Us
Login
no-ip
the dns service provider
Home
Download
Services
Support
Company
No-IP is Free, Sign up Now!
Home » Free SignUp
Account Confirmed!
Your account has been confirmed and is now ready for use. Please use the login box above to login to your account.
Please note: Your No-IP Free host names must be updated every 60 days to keep your account active. For an account with no expiration and many other benefits consider No-IP Enhanced or No-IP Plus

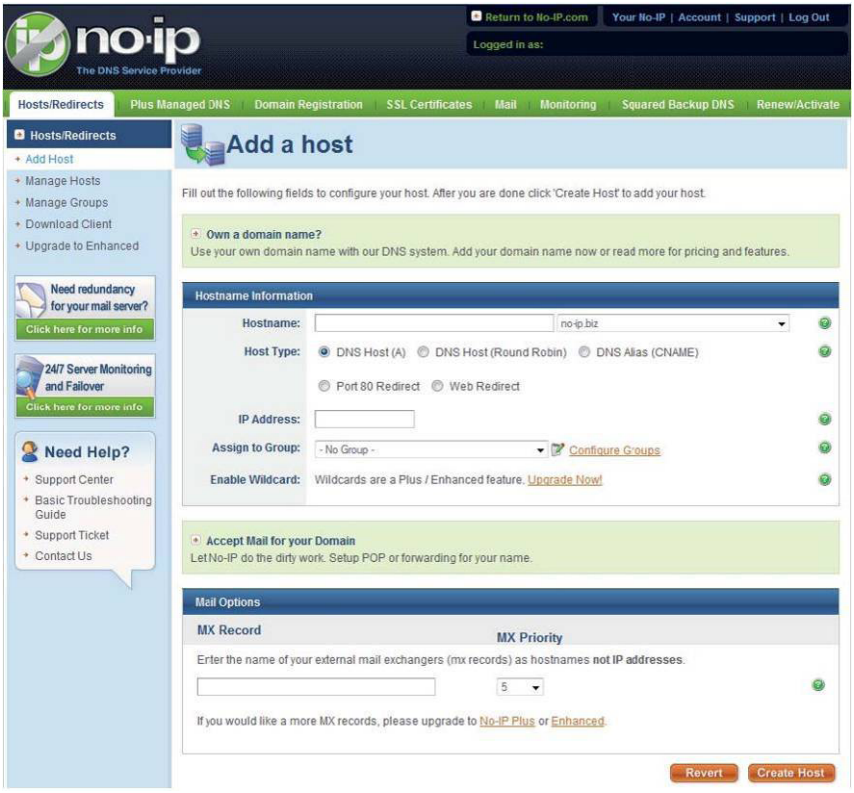
6. Click to sign and enter the email address and password you get earlier.
Click "login" to sign up, you can see the welcome interface and configuration option of account.
You can highlight manage host item.



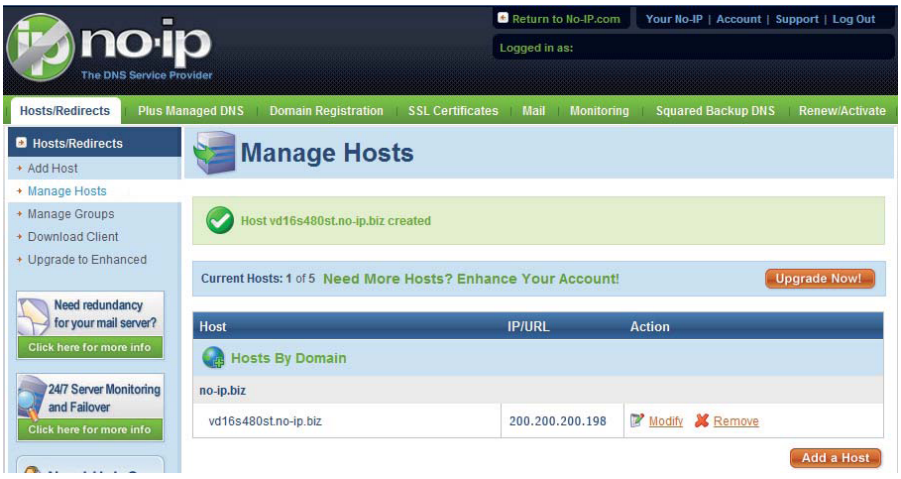
7. The Manage Hosts interface is shown belox.
Click the Add Host button you can access the creation of a domain name.



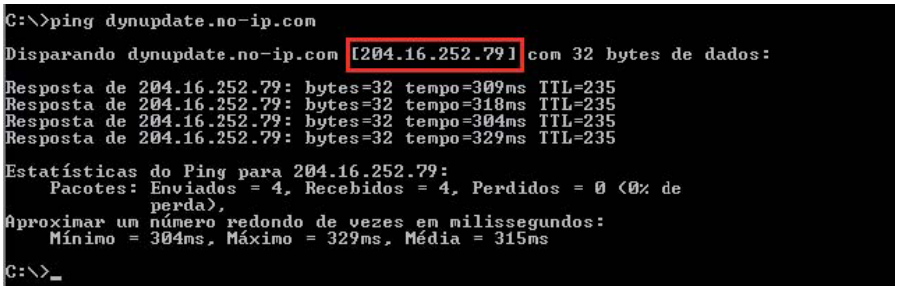
8. Input corresponding host name in the filed. You can use this name to access device from an external network.
In the field to the right of the name, select the desired area.
This is your domain name for access to the device.
Click "Create Host" button at the bottom of the page.


no-ip
The DNS Service Provider
Return to No-IP.com
Your No-IP | Account | Support | Log Out
Logged in as:
Hosts/Redirects
Plus Managed DNS
Domain Registration
SSL Certificates
Mail
Monitoring
Squared Backup DNS
Renew/Activate
Add a host
Add Host
Manage Hosts
Manage Groups
Download Client
Upgrade to Enhanced
Need redundancy for your mail server?
Click here for more info
24/7 Server Monitoring and Failover
Need Help?
Support Center
Basic Troubleshooting Guide
Support Ticket
Contact Us
Fill out the following fields to configure your host. After you are done click 'Create Host' to add your host.
Own a domain name?
Use your own domain name with our DNS system. Add your domain name now or read more for pricing and features.
Hostname Information
Hostname:
no-ip.biz
Host Type:
DNS Host (A)
DNS Host (Round Robin)
DNS Alias (CNAME)
Port 80 Redirect
Web Redirect
IP Address:
Assign to Group:
- No Group -
Configure Groups
Enable Wildcard:
Wildcards are a Plus / Enhanced feature. Upgrade Now!
Accept Mail for your Domain
Let No-IP do the dirty work. Setup POP or forwarding for your name.
Mail Options
MX Record
MX Priority
Enter the name of your external mail exchangers (mx records) as hostnames not IP addresses.
If you would like a more MX records, please upgrade to No-IP Plus or Enhanced.
Revert
Create Host

9. Now you can see an interface. Here you can view domain name and the computer's current IP setup.
If you already have a domain name equal to gurado trusted, you must define another name for the host.



10. Now you need to define the definition of the server's IP in IP-device able to access this service DDNS.
To get DDNS service, you need to have a computer connected to the Internet on the same network with device.
Type the command ping dynupdate.no-ip.com at the command prompt, Windows ®.
The server's IP will be displayed on the screen. Your device can use this IP to find the No-IP server.


C:\>ping dynupdate.no-ip.com
Disparando dynupdate.no-ip.com [204.16.252.79] com 32 bytes de dados:
Resposta de 204.16.252.79: bytes=32 tempo=309ms TTL=235
Resposta de 204.16.252.79: bytes=32 tempo=318ms TTL=235
Resposta de 204.16.252.79: bytes=32 tempo=304ms TTL=235
Resposta de 204.16.252.79: bytes=32 tempo=329ms TTL=235
Estatísticas do Ping para 204.16.252.79:
Pacotes: Enviados = 4, Recebidos = 4, Perdidos = 0 (0% de
perda),
Aproximar um número redondo de vezes em milissegundos:
Mínimo = 304ms, Máximo = 329ms, Média = 315ms
C:\>

11. Please go to the device and access the MAIN MENU> SETTING> NETWORK> DDNS. Input server IP you get in the above step. Select the DDNS Type as No-IP DDNS and highlight the icon in front of Enable to enable the DDNS function. Now fill the fields as described below, and click OK to save current setup.

    • **Server IP:** Enter the IP noted in step 10.

    • **Port:** Enter the port 80.

    • **Domain Name:** Enter the domain name created in step 8.

    • **User:** Enter your username (email address) created in step 3.

    • **Password:** Enter the password created in step 3.

12. Now you have completed device setup. Open Internet Explorer ® in another foreign network with Internet access, unlike the network where the device is connected to, you need to follow the steps listed below:

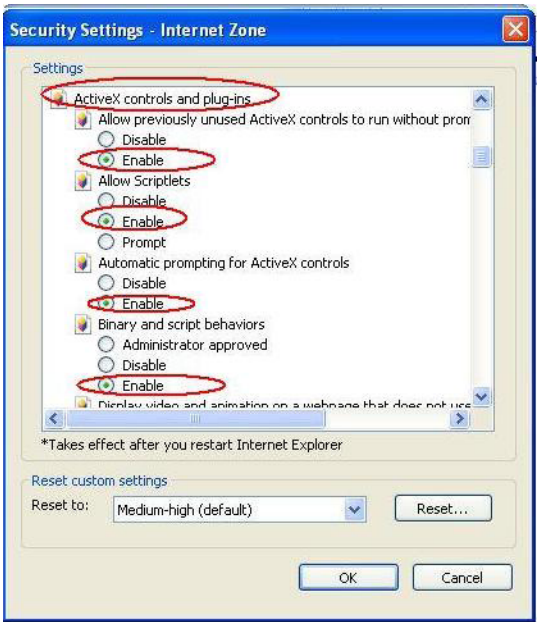
    1. Enter the address into your browser: http://nome the field created in step 8.
       For example: http://vd16s480st. no-ip.biz

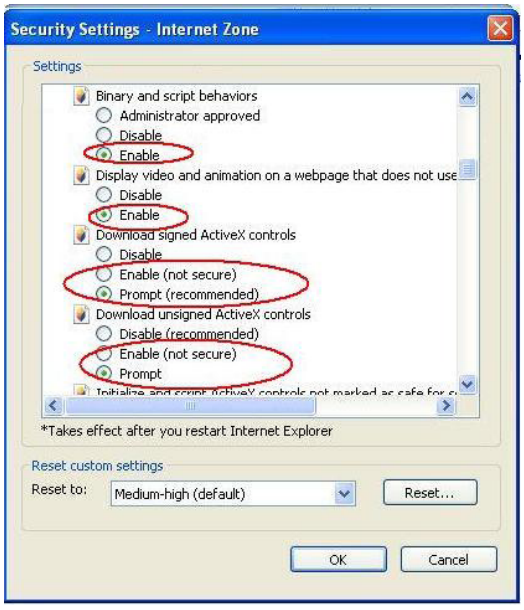
    2. If the device HTTP port is 80, just type the domain name. Otherwise, enter in the browser address as:
       http://nome the field created in Step 8: port number of HTTP.
       For example: http://vd16s480st.no-ip.biz:9090

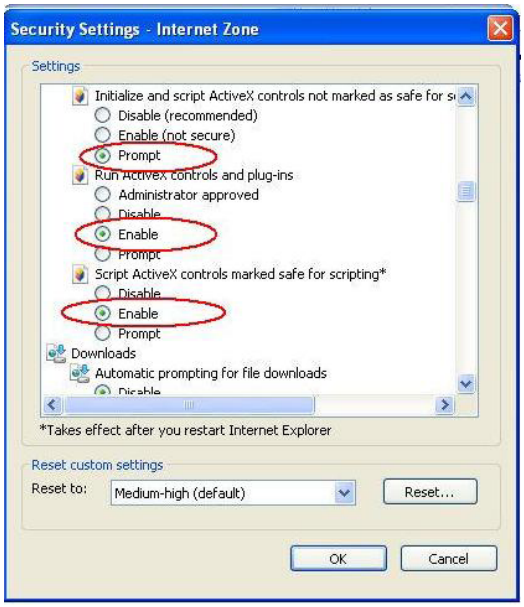
    3. Press Enter. The system will ask install application webrec.cab control or not. Please click Yes to perform a successful connection.

    4. If the page does not appear on the computer screen, you need to lower your system safety setup.
       From Tools> Internet Options> Security, select Internet and then click Custom Level, you can enable ActiveX controls. See below . Then open your browser and re-enter the domain name of the device.

Internet Options
General
Security
Privacy
Content
Connections
Programs
Advanced
Select a zone to view or change security settings.
Internet
Local intranet
Trusted sites
Restricted sites
Internet
This zone is for Internet websites, except those listed in trusted and restricted zones.
Sites
Security level for this zone
Custom
Custom settings.
- To change the settings, click Custom level.
- To use the recommended settings, click Default level.
Custom level...
Default level
Reset all zones to default level
OK
Cancel
Apply


Security Settings - Internet Zone
Settings
ActiveX controls and plug-ins
Allow previously unused ActiveX controls to run without prom
Disable
Enable
Allow Scriptlets
Disable
Enable
Prompt
Automatic prompting for ActiveX controls
Disable
Enable
Binary and script behaviors
Administrator approved
Disable
Enable
*Takes effect after you restart Internet Explorer
Reset custom settings
Reset to:
Medium-high (default)
Reset...
OK
Cancel

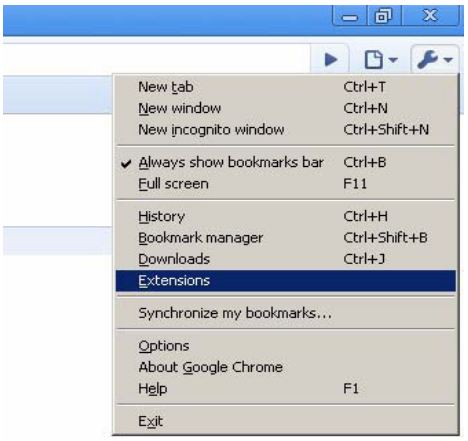

Security Settings - Internet Zone
Settings
Binary and script behaviors
Administrator approved
Disable
Enable
Display video and animation on a webpage that does not use
Disable
Enable
Download signed ActiveX controls
Disable
Enable (not secure)
Prompt (recommended)
Download unsigned ActiveX controls
Disable (recommended)
Enable (not secure)
Prompt
*Takes effect after you restart Internet Explorer
Reset custom settings
Reset to:
Medium-high (default)
Reset...
OK
Cancel


Security Settings - Internet Zone
Settings
Disable (recommended)
Enable (not secure)
Prompt
Run ActiveX controls and plug-ins
Administrator approved
Disable
Enable
Prompt
Script ActiveX controls marked safe for scripting*
Disable
Enable
Prompt
Downloads
Automatic prompting for file downloads
*Takes effect after you restart Internet Explorer
Reset custom settings
Reset to:
Medium-high (default)
Reset...
OK
Cancel

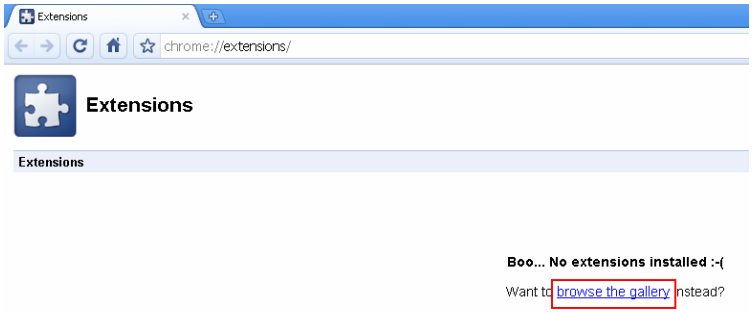
Annex 2: Using Google Chrome

1- Download and Install Extension

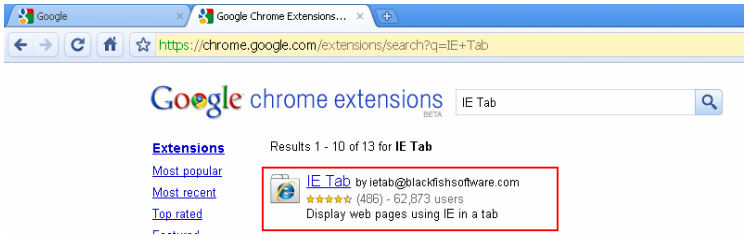
Click "Extension" in Google Chrome configuration dropdown list to go to the extension management interface.



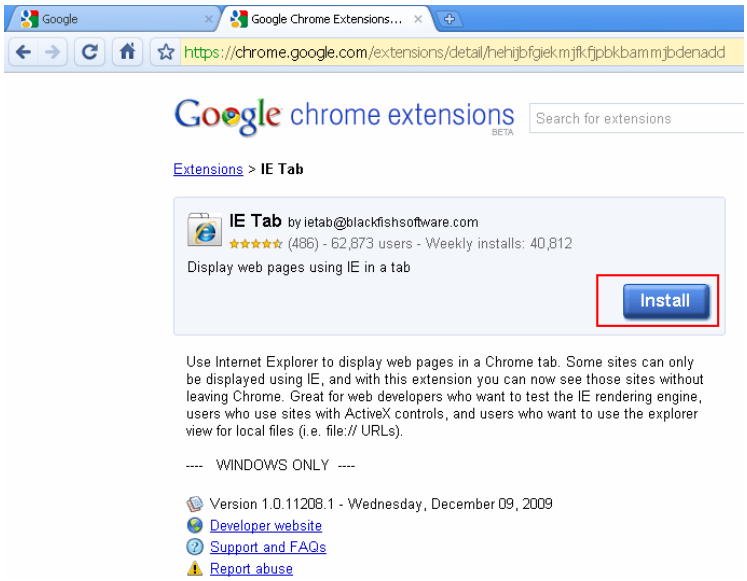
The Google Chrome extension management interface is shown below.



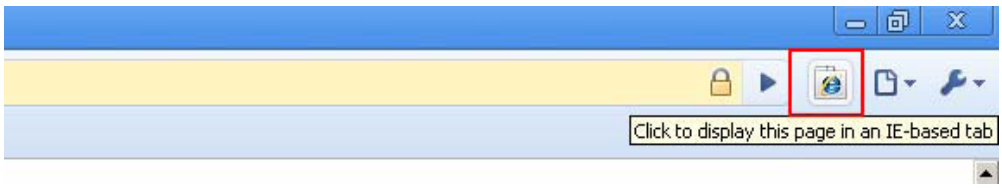
Click "Browse the gallery" and search for "IE Tab" extension.



Install the latest "IE Tab" extension (version 1.0.11208.1 or above).


Google
Google Chrome Extensions...
https://chrome.google.com/extensions/detail/hehijbfgiekmjfkfjpbkbammjbdenadd
Google chrome extensions
BETA
Search for extensions
Extensions > IE Tab
IE Tab by ietab@blackfishsoftware.com
(486) - 62,873 users - Weekly installs: 40,812
Display web pages using IE in a tab
Install
Use Internet Explorer to display web pages in a Chrome tab. Some sites can only be displayed using IE, and with this extension you can now see those sites without leaving Chrome. Great for web developers who want to test the IE rendering engine, users who use sites with ActiveX controls, and users who want to use the explorer view for local files (i.e. file:// URLs).
---- WINDOWS ONLY ----
Version 1.0.11208.1 - Wednesday, December 09, 2009
Developer website
Support and FAQs
Report abuse

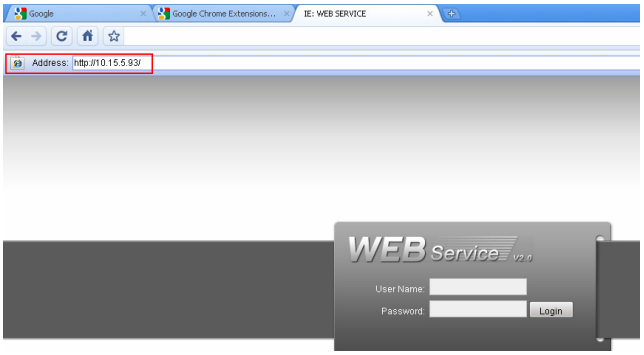
After installation, you will get an IE icon on top right of your Google Chrome interface.



2. Visit Web Interface

- Get an IE address bar by clicking the icon showed previously.

- Enter the IP address of your device.

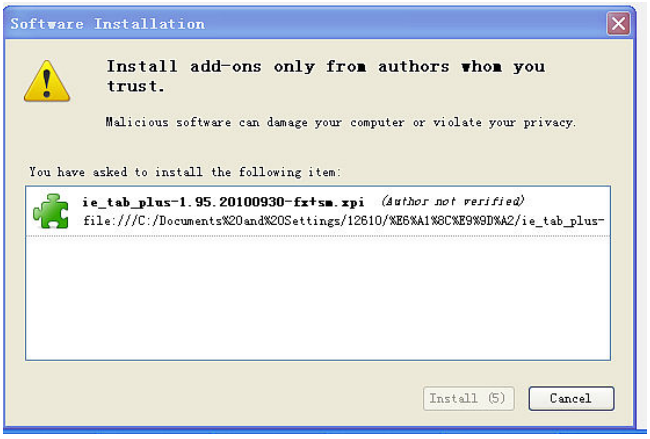


Annex 3: Using Firefox

1- Dowload and install extension:

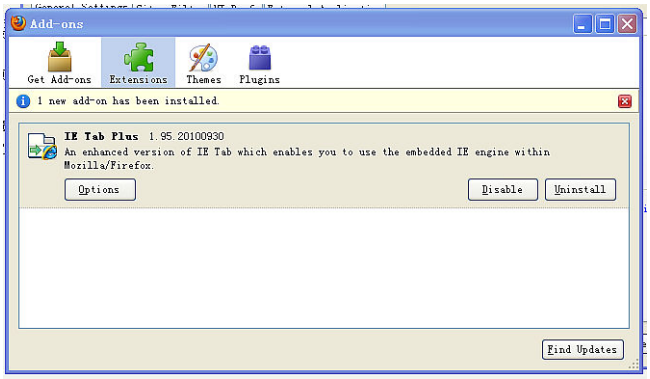
- Click "Tools" and "Add-ons".

- Search and install IE Tab: ie_tab_plus-1.95.20100930-fx+sm

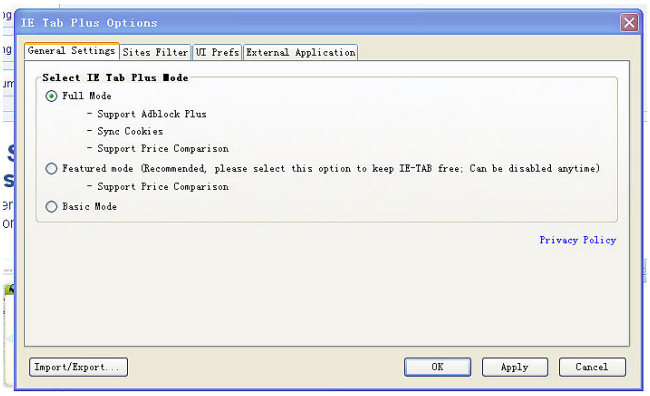

Software Installation
Install add-ons only from authors whom you trust.
Malicious software can damage your computer or violate your privacy.
You have asked to install the following item:
ie_tab_plus-1.95.20100930-fx+sm.xpi (Author not verified)
file:///C:/Documents%20and%20Settings/12610/%E6%A1%8C%E9%9D%A2/ie_tab_plus-
Install (5)
Cancel

After installation, restart Firefox.

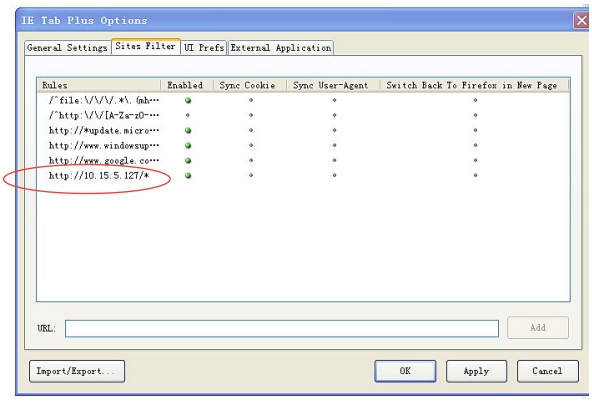
2- After restart of Firefox, choose Tools—Add-ons to check if the plugin has been installed.



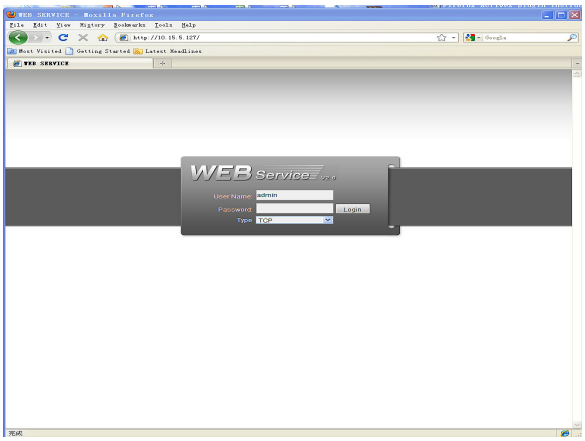
3- After installation, add the target address to IE Tab before start to access device web client. At the sametime, select IE Tab plus Mode.



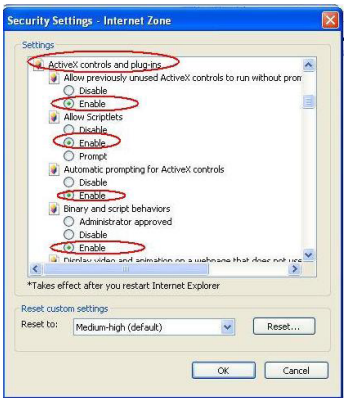
For example, here device address is http://10.15.5.127, so type"http://10.15.5.127/* "to the URL option.

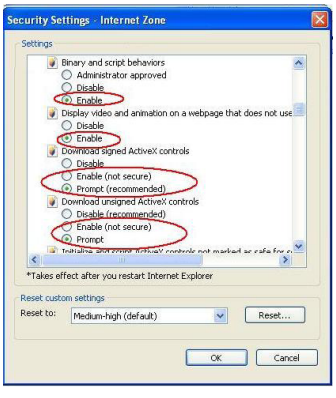


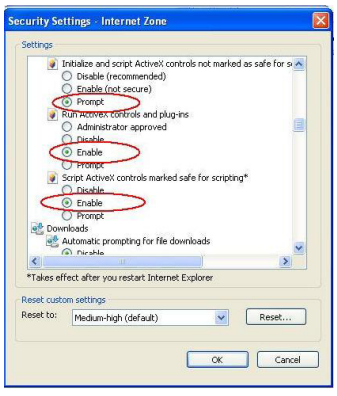
After this, open the webpage http://10.15.5.127 with Firefox .



Note : If you have done the follows above and you still can not open the web normally, you need to check the setting in IE to enable downloading of the ActiveX.



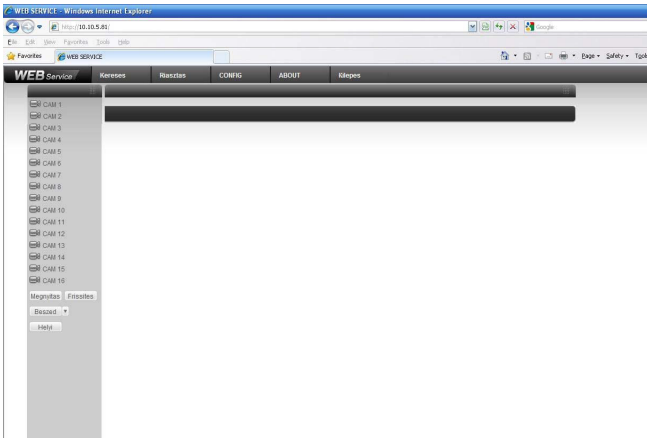




Annex 4: Using IE8

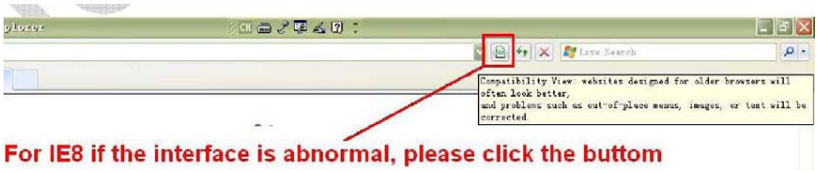
1- Run Web interface with IE8

With IE8, sometimes it will not run with the normal mode, there 2 ways to solve this.



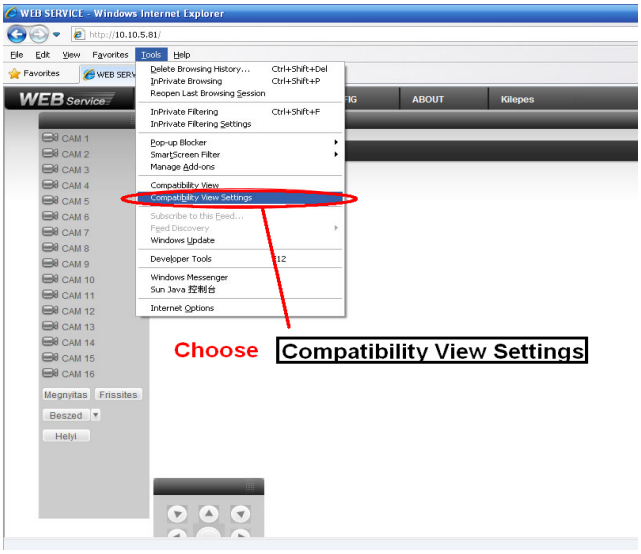
1.1 Use the Compatibility View function of IE8

With this way, every time you open the IE interface, must click this button

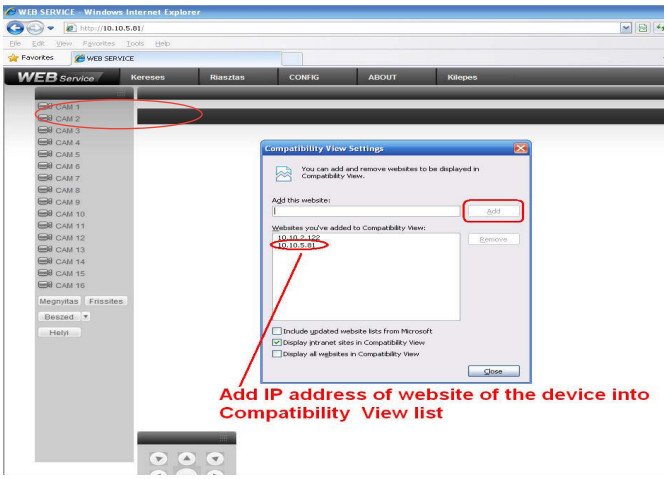


1.2 Add the certain IP address or website into Compatibility View Settings

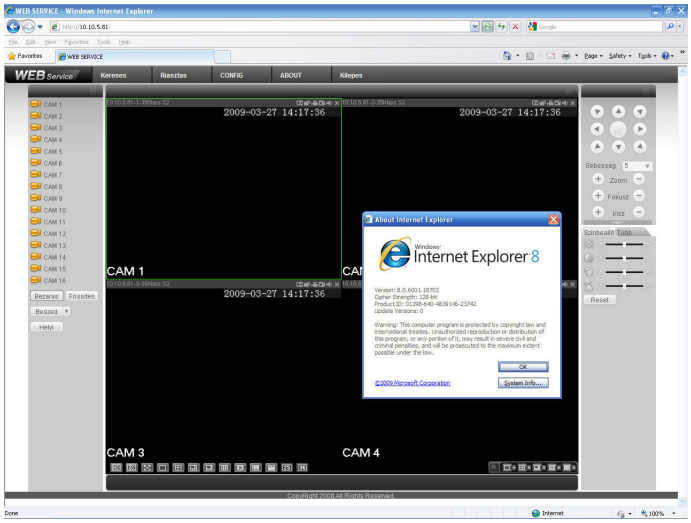
- Choose Compatibility View Settings in Tool menu



- Add the IP or domain name of device into Compatibility View Settings list

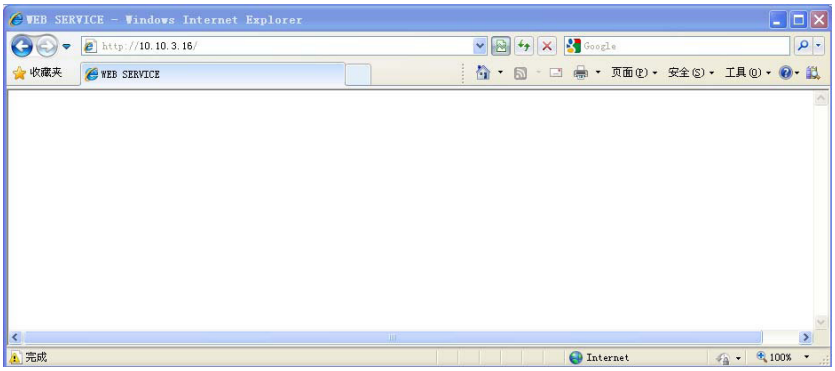


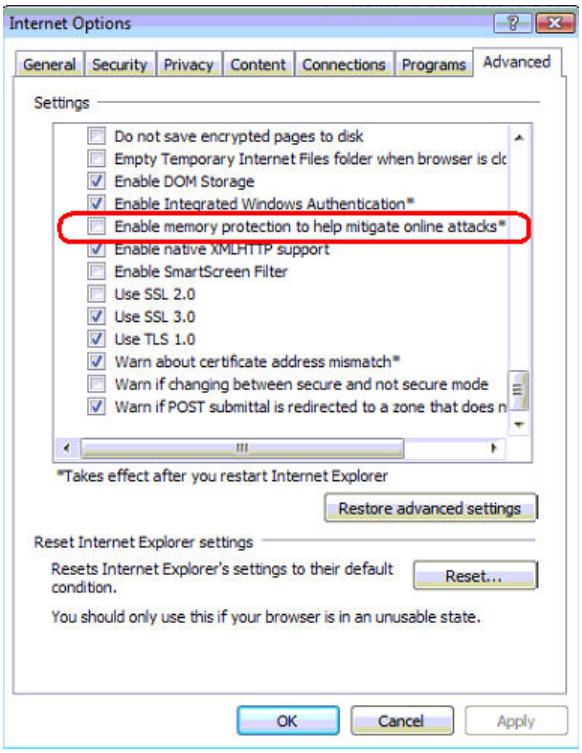
- Now the web interface can be accessed in normal mode.



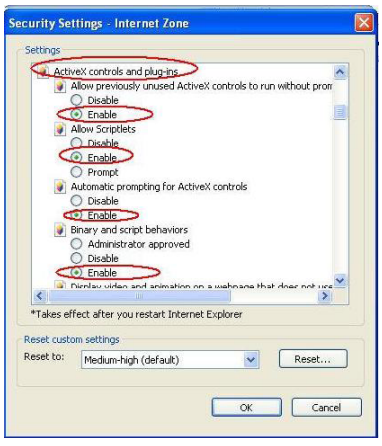
3- Download ActiveX with IE8

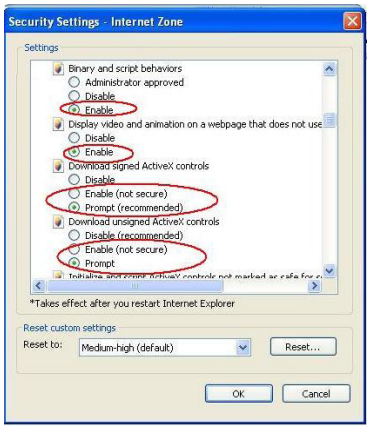
- For some PC when update windows and install IE8, it will not install the ActiveX.

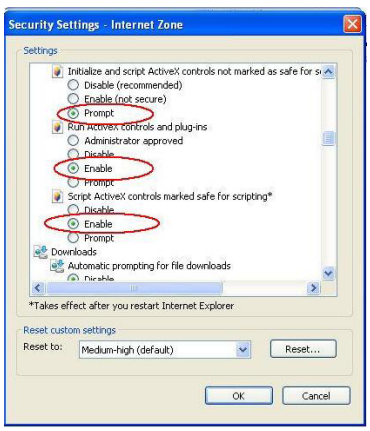




Note : If you have done the follows above and you still can not open the web normally, you need to check the setting in IE to enable downloading the ActiveX.





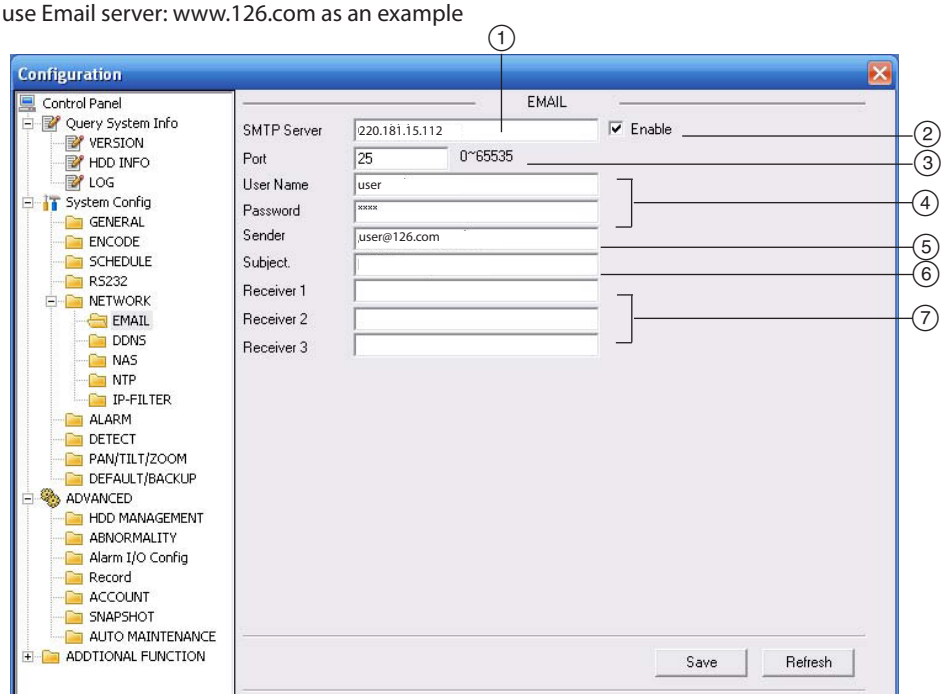


Annex 5: Email Function

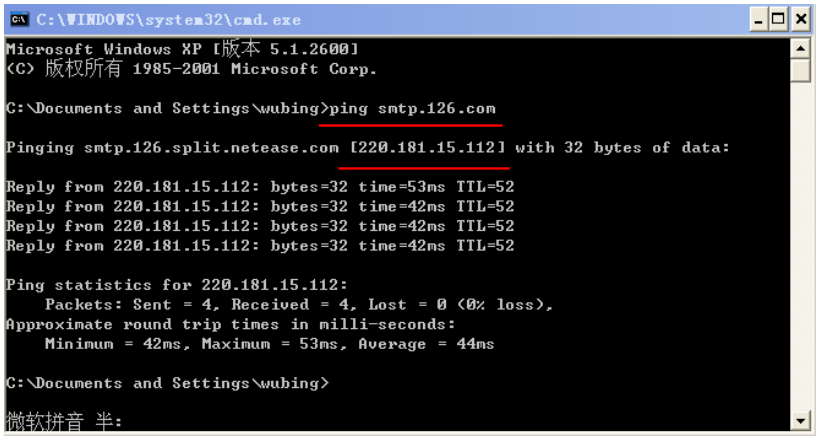
First, the Email sender must support smtp

1- Email Setting 1

Set as follow, I use Email server: www.126.com as an example



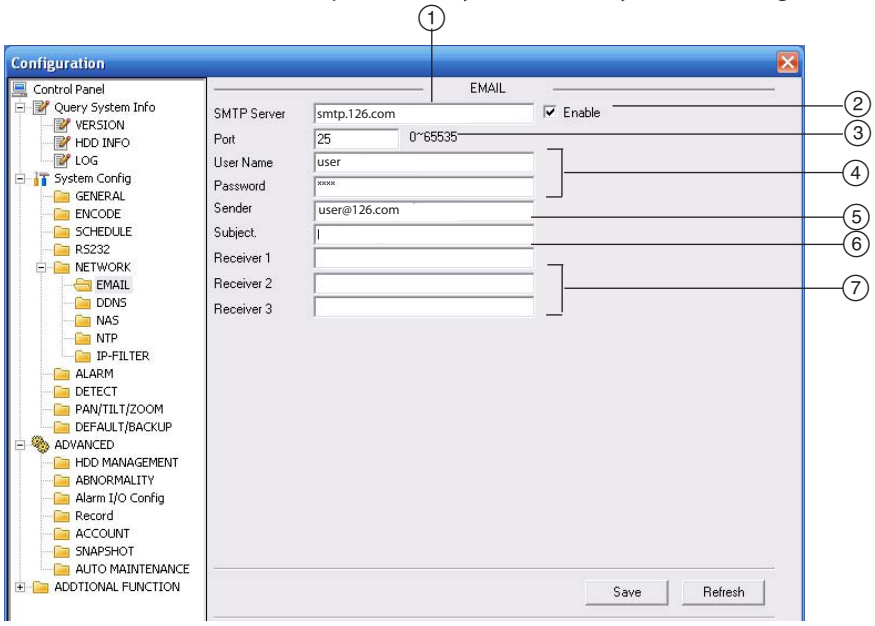
	Désignation
①	Email server IP address (ping the server to get the IP)
②	Must be enable
③	Server port (usually 25)
④	User Name - Password
⑤	Sender. Must be your email address
⑥	Subject. You can set any subject according your needs
⑦	Receiver


C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [版本 5.1.2600]
(C) 版权所有 1985-2001 Microsoft Corp.
C:\Documents and Settings\wubing>ping smtp.126.com
Pinging smtp.126.split.netease.com [220.181.15.112] with 32 bytes of data:
Reply from 220.181.15.112: bytes=32 time=53ms TTL=52
Reply from 220.181.15.112: bytes=32 time=42ms TTL=52
Reply from 220.181.15.112: bytes=32 time=42ms TTL=52
Reply from 220.181.15.112: bytes=32 time=42ms TTL=52
Ping statistics for 220.181.15.112:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 42ms, Maximum = 53ms, Average = 44ms
C:\Documents and Settings\wubing>
微软拼音 半:

- Ping the email server to get the ipaddress, for example: ping smtp.126.com to get ip:220.181.15.112
- Input user name and password of the account e.g.: Username: user. Password: pass
- Input sender: must the whole email address of the sender, for example: user@126.com
- Set Subject: any title according your need
- Input receiver email address

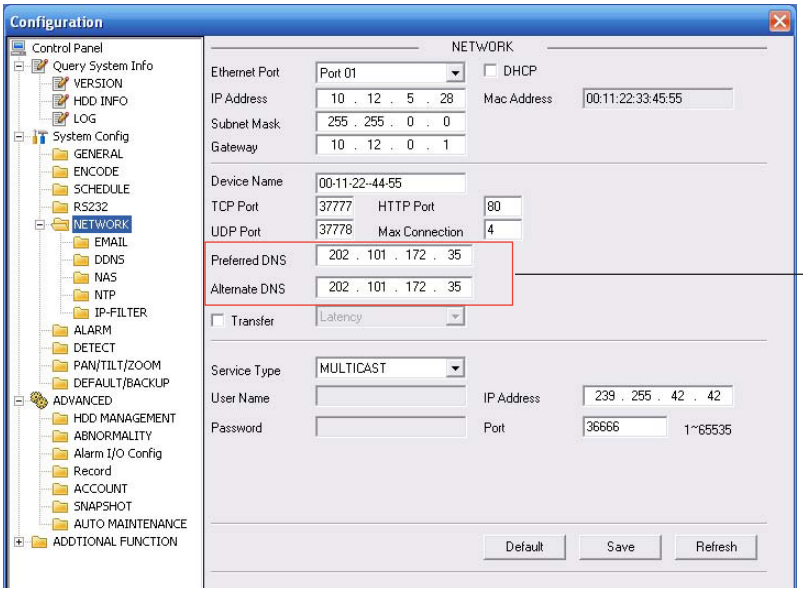
2- Email Setting 2

- Input domain name of the email server, such as:smtp.126.com, if you have already set DNS settings

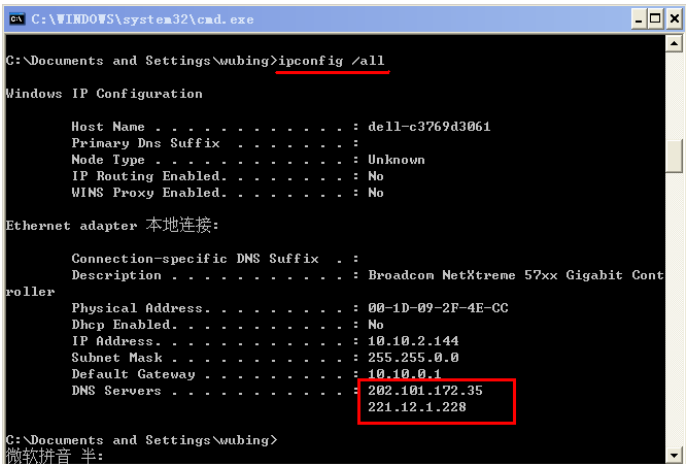


	Désignation
①	Email server: if it is domain name, set DNS as follow
②	Must be enable
③	Server port (usually 25)
④	User Name - Password
⑤	Sender. Must be your email address
⑥	Subject. Set any subject according your needs
⑦	Receiver

- DNS Setting

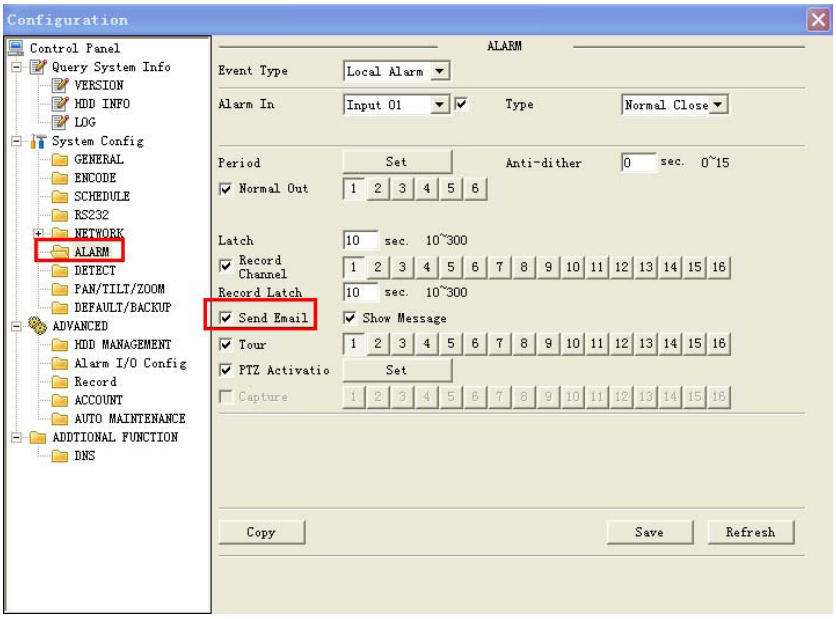


- Get DNS setting from your PC in the same network by command: ipconfig /all


C:\WINDOWS\system32\cmd.exe
C:\Documents and Settings\wubing>ipconfig /all
Windows IP Configuration
Host Name . . . . . : dell-c3769d3061
Primary Dns Suffix . . . . . :
Node Type . . . . . : Unknown
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No
Ethernet adapter 本地连接:
Connection-specific DNS Suffix . :
Description . . . . . : Broadcom NetXtreme 57xx Gigabit Controller
Physical Address. . . . . : 00-1D-09-2F-4E-CC
Dhcp Enabled. . . . . : No
IP Address. . . . . : 10.10.2.144
Subnet Mask . . . . . : 255.255.0.0
Default Gateway . . . . . : 10.10.0.1
DNS Servers . . . . . : 202.101.172.35
221.12.1.228
C:\Documents and Settings\wubing>
微软拼音 半:

3- Send Email Setting

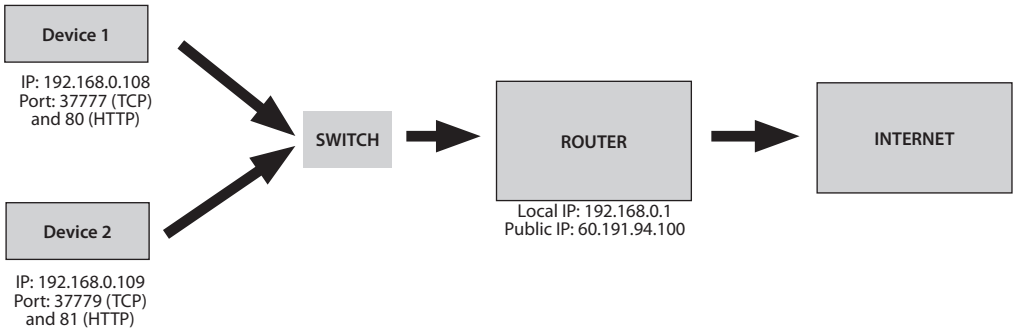
- Enable "send email function" of Detect or Alarm settings, so when there are alarms the device will send Email.



Annex 6: Routers configuration

If you need to access to your device from external network, you will need to set NAT settings on your router.

In the circumstance that your device is behind a router or gateway, you need to open the port on that router for the device behind it.



ROUTER NAT Settings			
IP Address	Private Port	Public Port	Enable/Disable
192.168.0.108	37777	37777	Enable
192.168.0.108	80	80	Enable
192.168.0.109	37779	37779	Enable
192.168.0.109	81	81	Enable

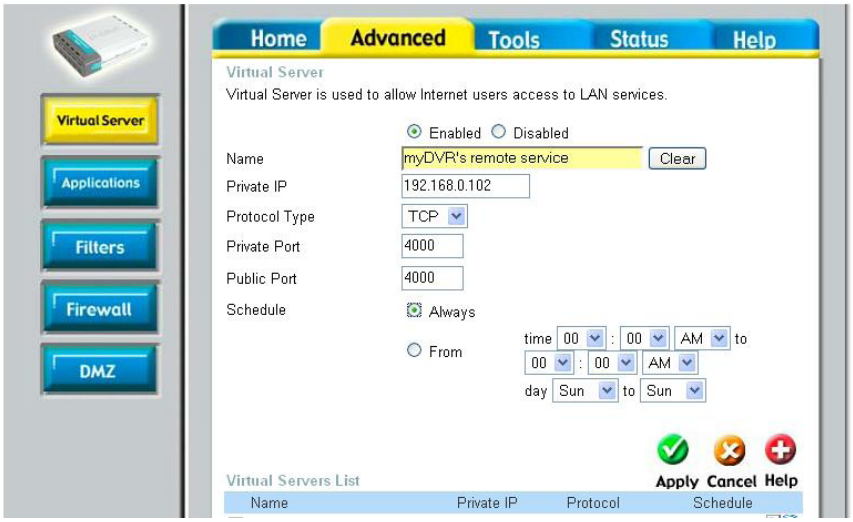
Local IP	HTTP Port	TCP Port	Public IP	HTTP Port	TCP Port
Device 1 192.168.0.108	80	37777	60.191.94.100	80	37777
Device 2 192.168.0.109	81	37779	60.191.94.100	81	37779

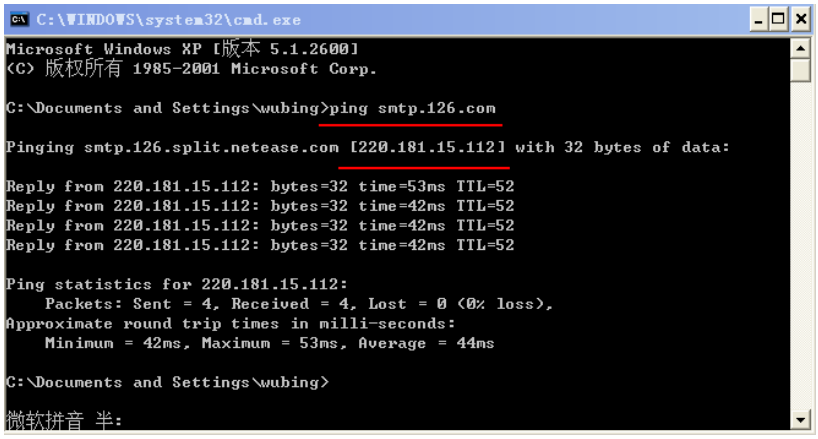
To access Device 1, input the IP address: http://60.191.94.100

To access Device 2, input the IP address: http://60.191.94.100:81

1- D-LINK Router (interface may very depending of the device)

Log on to the router. Select "Advanced" tab on the top, and click on "Virtual Server" button on the left. The following page will be displayed. The screen might be very different regarding to the different model of routers.




C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [版本 5.1.2600]
(C) 版权所有 1985-2001 Microsoft Corp.
C:\Documents and Settings\wubing>ping smtp.126.com
Pinging smtp.126.split.netease.com [220.181.15.112] with 32 bytes of data:
Reply from 220.181.15.112: bytes=32 time=53ms TTL=52
Reply from 220.181.15.112: bytes=32 time=42ms TTL=52
Reply from 220.181.15.112: bytes=32 time=42ms TTL=52
Reply from 220.181.15.112: bytes=32 time=42ms TTL=52
Ping statistics for 220.181.15.112:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 42ms, Maximum = 53ms, Average = 44ms
C:\Documents and Settings\wubing>
微软拼音 半:

Note :
Do not copy the information in this sample configuration. It is different according the setting on each device.

The picture above shows an example of how to open the service port on router for a device in local network.
- Check the "Enabled" button.

- In "Name" box, type in a name for this router's entry. For example: "myDVR's Remote Service"

- In "Private IP" box, type in the IP address of device which is the IP you put in "IP ADDRESS" field in "Network" setting menu on device. For example: "192.168.0.102".

- Select "TCP" in "Protocol Type" drop down menu.

- In both "Private Port" and "Public Port", type in the service port number. In above example, it is 4000. The port number is the port that you put in "TCP PORT" field in "NETWORK" menu on the device.

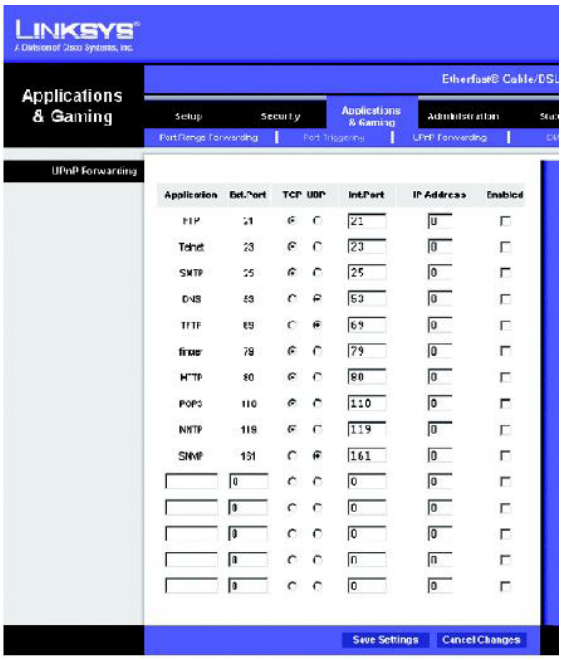
- Select "Always" button.

After click "Apply", the service port 4000 will be opened on the router for the device on 192.168.0.102.
The device Net View and other client tools will be able to connect to this device from public network by connecting to the router's IP address.

Follow the same process, add another entry for HTTP Port service. After this service port is open, the web browser client from public network will be able to connect to this device by connecting to the router's IP address.

2- LINK SYS Router

Log on to the router. Select "Applications & Gaming" tab on the top. Select "UPNP Forwarding" tab on the left. Then the following screen will be displayed. The screen might be very different regarding to the different model of routers.



You can add entry on the first available row in the list table.
- In the "Application" box, type in the entry name you want to use. For example: MyDVR's Service, for the service port we are opening for DVR's remote service.

- In the "Ext Port" box, type in the service port you put in the DVR's network setting. For example: 4000.

- Select "TCP" button.

- In "Int Port" box, type in the same port number you put in "Ext. Port" box. For example: 4000.

- In "IP Addr." box, type in the last decimal digit of your DVR's IP address. For example, the device's IP address is 192.168.0.102, so type in 102 in this box.

- Check the "Enable" box to enable port forwarding.

Follow the same process, add another entry, open the HTTP Port on the router for this device.

Click the "Save Setting" button, the router might need to restart. After the these settings have been activated, the web browser client, device Net View client or other client tools will be able to access the device from public network.

3 SMC Router

Log on to the router, select "Advanced Setup" tab on the top, and click "NAT" button on the left panel. Select "Virtual Server" in the expanded list structure, you will see the following screen.
Notice that it might look very different according to different models of routers.

SMC
Networks
Advanced Setup
Home
Logout
System
WAN
LAN
NAT
Address Mapping
Virtual Server
Special Applications
Firewall
Tools
Status
Virtual Server
You can configure the Barricade as a virtual server so that remote users accessing services such as the Web or FTP at your local site via public IP addresses can be automatically redirected to local servers configured with private IP addresses. In other words, depending on the requested service (TCP/UDP port number), the Barricade redirects the external service request to the appropriate server (located at another internal IP address).
Private IP
Private Port
Type
Public Port
1. 192.168.2.
2. 192.168.2.
3. 192.168.2.
4. 192.168.2.
5. 192.168.2.
TCP UDP

- In "Private IP" column, put in the last decimal digit of your DVR's IP address.
For example, your device's IP address is 192.168.2.102, so put 102 in this box.

- In "Private Port" column, put in the service port number you put in the DVR network settings. For example: 4000.

- In "Type" column, select the "TCP" radio button.

- In "Public Port" column, put in the same service port number you put in the "Private Port" box, for example, 4000.

Follow the same process, add another entry for HTTP Port on the router.

Click "Apply" button and confirm if it prompts to restart the router. After the new configuration is activated, the web browser clients or other DVR clients tools from public network will be able to access the device.